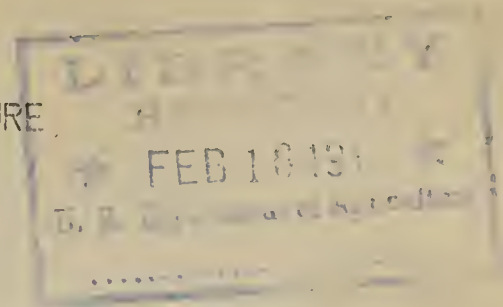


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EXPERIMENT STATIONS DURING JANUARY, 1915.

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LEAF SPOT AND SOME FRUIT ROTS OF PEANUT. BY F. A. WOLF. (ALABAMA COLLEGE STATION BULLETIN 180, PP. 127-150, PLS. 5.)

THE OAK SCALE AND ITS CONTROL. BY W. F. TURNER. (ALABAMA COLLEGE STATION CIRCULAR 28. PP. 105-110, FIGS. 5.)

TWENTY-SIXTH ANNUAL REPORT, 1913. (ALABAMA COLLEGE STATION ANNUAL REPORT, 1913. PP. 35.)

AGRICULTURE OF SULPHUR SPRING VALLEY, ARIZONA. BY R. H. FORBES. (ARIZONA STATION BULLETIN 72, PP. 213-224.)

ALFALFA IN THE SOUTHWEST. BY G. F. FREEMAN. (ARIZONA STATION BULLETIN 73, PP. 227-320. PLS. 2, FIGS. 19.)

TWENTY-FOURTH ANNUAL REPORT, 1913. (ARIZONA STATION ANNUAL REPORT, 1913, PP. 233-296. PL. 1. FIGS. 3.)

STUDIES ON THE HEMATOLOGY OF NORMAL AND CHOLERA-INFECTED HOGS. BY R. R. DINWIDDIE. (ARKANSAS STATION BULLETIN 120, PP. 21-41. FIGS. 8.)

SPRAY CALENDAR. BY W. E. BRITTON AND G. P. CLINTON. (CONNECTICUT STATE STATION BULLETIN 183, PP. 30, FIGS. 66.)

SPRAY TREATMENT, ETC., FOR ORCHARDS. BY W. E. BRITTON AND G. P. CLINTON. (CONNECTICUT STATE STATION BULLETIN 184, PP. 12, FIG. 1.)

FIELD TESTS OF SOY BEANS, 1914. BY E. H. JENKINS, H. K. HAYES, C. D. HUBBELL, AND J. P. STREET. (CONNECTICUT STATE STATION BULLETIN 185, PP. 17, FIG. 1.)

THE USES OF THE AGRICULTURAL EXPERIMENT STATION. BY E. H. JENKINS. (CONNECTICUT STATE STATION BULLETIN OF INFORMATION 6, PP. 4.)

REPORT ON COMMERCIAL FERTILIZERS, 1914. BY E. H. JENKINS AND J. P. STREET. (CONNECTICUT STATE STATION REPORT, 1914, PT. 2, PP. 43-112.)

FARMERS' DAY GUIDE, 1912. (DELAWARE STATION CIRCULAR 7, PP. 26.)

- FARMERS' DAY GUIDE, 1913. (DELAWARE STATION CIRCULAR 8, PP. 26.)
- FARMERS' DAY GUIDE, 1914. (DELAWARE STATION CIRCULAR 9, PP. 26.)
- DIGESTION AND METABOLISM OF A STEER WHEN PLACED ON A CONTINUOUS RATION OF CORN SILAGE. BY P. VAN EWING AND C. A. WELLS. (GEORGIA STATION BULLETIN 109, PP. 145-158, FIGS. 3.)
- SILOS AND SILAGE. BY P. VAN EWING. (GEORGIA STATION BULLETIN 110, PP. 161-190, FIGS. 9.)
- DEHORNING CATTLE. BY P. VAN EWING. (GEORGIA STATION BULLETIN 111, PP. 193-204, FIGS. 7.)
- TOMATOES. BY H. P. STUCKEY. (GEORGIA STATION BULLETIN 112, PP. 209-248, FIGS. 14.)
- VARIETY WORK WITH CORN AND COTTON. BY C. K. MCCLELLAND. (GEORGIA STATION BULLETIN 113, PP. 249-256, FIGS. 2.)
- AN APPLE ORCHARD SURVEY OF MILLS COUNTY. BY L. GREENE. (IOWA STATION BULLETIN 153, PP. 249-316, FIGS. 37.)
- THE PASTEURIZATION OF MILK IN THE FINAL PACKAGE. BY B. W. HAMMER AND A. J. HAUSER. (IOWA STATION BULLETIN 154, PP. 319-356, FIGS. 6.)
- NOTICE RELATING TO CITRUS CANCER. BY E. S. TUCKER. (LOUISIANA STATIONS CROP PEST NOTICE 1, FOLIO.)
- PHYLLOXERA GALLS AFFECTING PECAN TREES. BY E. S. TUCKER. (LOUISIANA STATIONS CROP PEST NOTICE 2, PP. 8, FIG. 1.)
- THE PHYSICAL CHARACTER OF THE CURD OF MILK FROM DIFFERENT BREEDS. CURD AS AN INDEX OF THE FOOD VALUE OF MILK. STUDIES OF THE PROTEID CONTENT OF MILK. BY S. S. BUCKLEY. (MARYLAND STATION BULLETIN 184, PP. 227-242.)
- THE COMPOSITION, DIGESTIBILITY, AND FEEDING VALUE OF MOLASSINE MEAL, COTTON-SEED MEAL AND HULLS, COCOA SHELLS, GRAIN SCREENINGS, FLAX SHIVES, MELLEN'S FOOD REFUSE, AND POSTUM CEREAL RESIDUE (CXX FEED). BY J. B. LINDSEY AND P. H. SMITH. (MASSACHUSETTS STATION BULLETIN 158, PP. 49-71.)
- INSPECTION OF COMMERCIAL FERTILIZERS. BY H. D. HASKINS, L. S. WALKER, C. P. JONES, AND W. S. FROST. (MASSACHUSETTS STATION CONTROL SERIES BULLETIN 2, PP. 98.)
- METEOROLOGICAL OBSERVATIONS AT THE MASSACHUSETTS AGRICULTURAL EXPERIMENT STATION. BY J. E. OSTRANDER AND R. E. McLAIN. (MASSACHUSETTS STATION METEOROLOGICAL BULLETIN 312, PP. 4.)
- FERTILIZER ANALYSES. BY A. J. PATTEN, O. B. WINTER, AND O. F. JENSEN. (MICHIGAN STATION BULLETIN 274, PP. 3-28.)

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY

REPORT OF THE RESEARCH GROUP ON THE CHEMISTRY OF THE CARBON-13 ISOTOPE

BY
J. H. GOLDSTEIN, J. K. KILB, and R. L. WATKINS

Submitted to the Department of Chemistry
in partial fulfillment of the requirements for the
degree of Doctor of Philosophy

CHICAGO, ILLINOIS
1955

Approved by the Department of Chemistry

Chairman of the Department

Approved by the University of Chicago

President

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TWENTY-SEVENTH ANNUAL REPORT, 1914. (MICHIGAN STATION ANNUAL REPORT, 1914, PP. 199-559, PL. 1, FIGS. 107.)

REPORT OF THE WORK DONE AT HOLLY SPRINGS BRANCH EXPERIMENT STATION, 1913. BY C. T. AMES. (MISSISSIPPI STATION BULLETIN 165, PP. 32, FIGS. 12.)

CORN SILAGE COMPARED WITH HULLS FOR FATTENING STEERS. BY E. R. LLOYD. (MISSISSIPPI STATION BULLETIN 167, PP. 8.)

RATIONS FOR BREEDING EWES. BY H. HACKEDORN. (MISSOURI COLLEGE STATION BULLETIN 120, PP. 31-57, FIGS. 9.)

SHOCK CORN FOR SILAGE. BY C. H. ECKLES. (MISSOURI COLLEGE STATION CIRCULAR 71, PP. 25-28, FIG. 1.)

SILAGE FOR HORSES AND MULES. BY E. A. TROWBRIDGE. (MISSOURI COLLEGE STATION CIRCULAR 72, PP. 29-32, FIG. 1.)

A REPORT ON MONTANA CLIMATE. BY E. BURKE AND R. M. PINCKNEY. (MONTANA STATION BULLETIN 99, PP. 143, PL. 1, FIGS. 57.)

WINTER WHEAT. BY A. ATKINSON AND J. B. NELSON. (MONTANA STATION BULLETIN 100, PP. 147-160, FIGS. 4.)

COMPARISON OF MAGNESIAN AND NONMAGNESIAN LIMESTONE IN ROTATION EXPERIMENTS. BY J. G. LIPMAN, H. C. MCLEAN, A. W. BLAIR, AND L. F. MERRILL. (NEW JERSEY STATIONS BULLETIN 267, PP. 5-40, FIG. 1.)

NITROGEN UTILIZATION IN FIELD AND CYLINDER EXPERIMENTS. BY J. G. LIPMAN, H. C. MCLEAN, A. W. BLAIR, AND L. F. MERRILL. (NEW JERSEY STATIONS BULLETIN 268, PP. 5-25, PL. 1, FIGS. 5.)

METHODS AND RESULTS IN VEGETATION EXPERIMENTS. BY J. G. LIPMAN AND A. W. BLAIR. (NEW JERSEY STATIONS BULLETIN 269, PP. 5-20, PLS. 2.)

CONCENTRATED FEEDING STUFFS AND REGISTRATIONS FOR 1914. BY C. S. CATHCART ET AL. (NEW JERSEY STATIONS BULLETIN 271, PP. 3-85.)

ANALYSES AND VALUATIONS OF COMMERCIAL FERTILIZERS, FERTILIZER SUPPLIES, AND HOME MIXTURES. BY C. S. CATHCART ET AL. (NEW JERSEY STATIONS BULLETIN 272, PP. 3-43.)

GENERAL RULES AND REGULATIONS REGARDING THE CONDUCT OF ADVANCED REGISTRY TESTS IN NEW JERSEY. BY A. S. COOK. (NEW JERSEY STATIONS CIRCULAR 38, PP. 3-7.)

POULTRY RATIONS AND METHODS OF FEEDING. BY H. R. LEWIS. (NEW JERSEY STATIONS CIRCULAR 39, PP. 3-8.)

HOG CHOLERA AND SWINE PRODUCTION. BY F. C. MINKLER. (NEW JERSEY STATIONS CIRCULAR 40, PP. 29, PLS. 5.)

ANNUAL REPORT, 1913. (NEW JERSEY STATIONS ANNUAL REPORT, 1913, PP. XXVIII-815, PLS. 97, FIGS. 11.)

RINGING FRUIT TREES. BY G. H. HOWE. (NEW YORK STATE STATION BULLETIN 391, PP. 575-584, PL. 1.)

SOME FACTS ABOUT COMMERCIAL FERTILIZERS IN NEW YORK STATE. BY L. L. VAN SLYKE. (NEW YORK STATE STATION BULLETIN 392, PP. 585-625.)

CULTURE MEDIA FOR USE IN THE PLATE METHOD OF COUNTING SOIL BACTERIA. BY H. J. CONN. (NEW YORK STATE STATION TECHNICAL BULLETIN 38, PP. 34.)

BEEF CATTLE PRODUCTION AND COOPERATIVE BREEDERS' ORGANIZATIONS. BY R. S. CURTIS, K. C. IKELER, AND J. L. BROWN. (NORTH CAROLINA STATION CIRCULAR 22, PP. 20, FIGS. 13.)

PRELIMINARY REPORT ON THE MAMMALS OF NORTH DAKOTA. BY V. BAILEY, W. B. BELL, AND M. A. BRANNON. (NORTH DAKOTA STATION CIRCULAR 3, PP. 20.)

SPECIAL BULLETIN FOOD DEPARTMENT. (NORTH DAKOTA STATION SPECIAL FOOD BULLETIN, 3 (1914), No. 13, PP. 217-232.)

SPECIAL BULLETIN FOOD DEPARTMENT. (NORTH DAKOTA STATION SPECIAL FOOD BULLETIN, 3 (1915), No. 14, PP. 233-248.)

THIRTY-THIRD ANNUAL REPORT, 1914 -- PRESS BULLETINS -- INDEX. (OHIO STATION BULLETIN 278, PP. XXV : 407-412, PL. 1.)

THE COST OF TILE DRAINAGE. BY L. H. GODDARD AND H. O. TIFFANY. (OHIO STATION CIRCULAR 147, PP. 21-44, FIGS. 7.)

SPRAYING FARM ORCHARDS BY THE CLUB PLAN. BY R. D. JAY AND W. M. COOK. (OHIO STATION CIRCULAR 148, PP. 45-52.)

SPRAYING PROGRAM FOR ORCHARDS WITH COMBINATIONS RECOMMENDED. BY W. J. GREEN, A. D. SELBY, AND H. A. GOSSARD. (OHIO STATION CIRCULAR 149, PP. 53-60.)

COWPEA CULTURE. BY O. O. CHURCHILL. (OKLAHOMA STATION BULLETIN 105, PP. 3-22, FIGS. 8.)

THE USE OF LIME ON LAND. BY F. D. GARDNER. (PENNSYLVANIA STATION BULLETIN 131, PP. 171-204, FIGS. 3.)

THE COMPARATIVE EFFECT ON DIFFERENT KINDS OF PLANTS OF LIMING AN ACID SOIL. BY B. L. HARTWELL AND S. C. DAMON. (RHODE ISLAND STATION BULLETIN 160, PP. 407-446, PLS. 4.)

COOPERATIVE EXPERIMENTAL WORK WITH WINTER COVER CROPS. BY F. G. TARBOX, JR.
(SOUTH CAROLINA STATION CIRCULAR 26, PP. 23, FIGS. 7.)

TWENTY-SEVENTH ANNUAL REPORT, 1914. (SOUTH CAROLINA STATION ANNUAL REPORT,
1914, PP. 33.)

TRIALS WITH SWEET CLOVER AS A FIELD CROP IN SOUTH DAKOTA. BY A. N. HUME AND
M. CHAMPLIN. (SOUTH DAKOTA STATION BULLETIN 151, PP. 3-20, FIGS. 6.)

TESTING AND HANDLING DAIRY PRODUCTS. BY C. LARSEN AND J. M. FULLER. (SOUTH
DAKOTA STATION BULLETIN 152, PP. 27-56, FIGS. 8.)

COMMERCIAL FERTILIZERS, BY J. L. HILLS, C. H. JONES, C. G. WILLIAMSON, AND
G. F. ANDERSON. IRRIGATION, BY R. T. BURDICK. (VERMONT STATION BULLETIN
182, PP. 265-366, PLS. 4.)

POTATO SCAB. BY B. F. LUTMAN AND G. C. CUNNINGHAM. (VERMONT STATION BULLE-
TIN 184, PP. 3-64, PLS. 12, FIGS. 7.)

Q. Now, did you see any other people in the room?
A. Yes, I saw a man in a suit and tie, and a woman in a dress.
Q. Did you see any other people in the room?

A. Yes, I saw a man in a suit and tie, and a woman in a dress.
Q. Did you see any other people in the room?

A. Yes, I saw a man in a suit and tie, and a woman in a dress.
Q. Did you see any other people in the room?

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Some Measuring Devices Used in the Delivery of Irrigation Water. (California Station Bulletin 247, pp. 111-180, pl. 1, figs. 31.)

The Economic Value of Pacific Coast Kelps. By J. S. Burd. (California Station Bulletin 248, pp. 183-215, figs. 3.)

Tomato Insects, Root-Knot, and "White Mold." By J. R. Watson. (Florida Station Bulletin 125, pp. 55-78, figs. 14.)

Grasses and Forage Plants of Hawaii. By C. K. McClelland. (Hawaii Federal Station Bulletin 36, pp. 43, pls. 9.) A limited number of copies of this publication is available for free distribution by the Department of Agriculture.

Suppression of Weeds Among Pineapples by Arsenite of Soda Spray. By F. G. Krauss. (Hawaii Federal Station Press Bulletin 48, pp. 8, figs. 2.)

A Cheap and Effective Home-made Plank Drag. By F. G. Krauss. (Hawaii Federal Station Press Bulletin 49, pp. 4, figs. 2.)

Report of the Hawaii Agricultural Experiment Station, 1914. (Hawaii Federal Station Report, 1914, pp. 73, pls. 3.) A limited number of copies of this publication is available for free distribution by the Department of Agriculture.

Grass Pastures for Irrigated Lands. By J. S. Welch. (Idaho Station Bulletin 80, pp. 15, figs. 3.)

A Crisis in the Foot-and-mouth Disease Situation. (Illinois Station Circular 178, pp. 4.)

Twenty-seventh Annual Report, 1914. (Indiana Station Annual Report, 1914, pp. 88, figs. 2.)

Actinomycosis or Lumpy Jaw. By R. R. Dykstra. (Kansas Station Circular 41, pp. 3.)

The Pocket Gopher. By H. B. Yocom. (Kansas Station Circular 43, pp. 4.)

- Concentrated Commercial Feeding Stuffs. By J. D. Turner and H. D. Spears.
(Kentucky Station Bulletin 185, pp. 367-471.)
- Experiments with the Sharples Mechanical Milker. By J. J. Hooper and J. W. Nutter.
(Kentucky Station Bulletin 186, pp. 475-510, figs. 12.)
- The Life History and Habits of the Corn Earworm (*Chloridea obsoleta*). By H. Garman and H. H. Jewett.
(Kentucky Station Bulletin 187, pp. 513-591, pls. 13, figs. 3.)
- Cattle Feeding on the Plantation and Farm. By W. H. Dalrymple. (Louisiana Stations Bulletin 151, pp. 13, fig. 1.)
- Entomology, or the Study of Insects, and Its Importance. By E. S. Tucker.
(Louisiana Stations Crop Pest Notice 3, pp. 8.)
- The Maryland Hog: Statistics--Housing--Feeding--Care and Management--Miscellaneous Information, by C. L. Opperman; Breeds and Breeding, by R. H. Ruffner; Diseases of Swine, by S. S. Buckley. (Maryland Station Bulletin 185, pp. 67, figs. 27.)
- Land Drainage in Maryland. By J. R. Haswell. (Maryland Station Bulletin 186, pp. 69-113, figs. 9.)
- Profitable and Unprofitable Cows. Cow Testing Associations in Maryland. By G. E. Wolcott. (Maryland Station Bulletin 187, pp. 115-134, figs. 10.)
- The Technical Description of Apples. By J. K. Shaw. (Massachusetts Station Bulletin 159, pp. 73-90, pls. 4, figs. 5.)
- Meteorological Observations at the Massachusetts Agricultural Experiment Station. By J. E. Ostrander and R. E. McLain. (Massachusetts Station Meteorological Bulletin 313, pp. 4.)
- Thinning Apples. By H. J. Eustace. (Michigan Station Circular 24, pp. 158-160, figs. 2.)
- Pollen Development in the Grape with Special Reference to Sterility. By M. J. Dorsey. (Minnesota Station Bulletin 144, pp. 60, pls. 4.)
- The Cost of Producing Minnesota Farm Products, 1908-1912; Field Crops. By F. W. Peck. (Minnesota Station Bulletin 145, pp. 48, figs. 6.)
- Statistics of Cooperation Among Farmers in Minnesota, 1913. By L. D. H. Weld. (Minnesota Station Bulletin 146, pp. 22, figs. 8.)
- First Annual Seed Laboratory Report, 1913-14. By W. L. Oswald. (Minnesota Station Bulletin 147, pp. 20, figs. 6.)
- Biennial Report, 1913-14. (Missouri Fruit Station Biennial Report, 1913-14, pp. 32, pls. 6.)

- Home Mulched v. Northern Seed Potatoes for Eastern Nebraska. By R. A. Emerson. (Nebraska Station Bulletin 146, pp. 36, fig. 1.)
- The Fertilizer Inspection for 1914. By B. E. Curry and T. O. Smith. (New Hampshire Station Bulletin 173, pp. 11.)
- Results of Seed Tests for 1914. By F. W. Taylor. (New Hampshire Station Bulletin 174, pp. 30, fig. 1.)
- Twenty-fifth Annual Report, 1914. (New Mexico Station Annual Report, 1914, pp. 85, figs. 6.)
- Variation and Correlation of Oats (*Avena sativa*).--I, Studies Showing the Effect of Seasonal Changes on Biometrical Constants. By H. H. Love and C. E. Leighty. (New York Cornell Station Memoir 3, pp. 70, figs. 77.)
- Variation and Correlation of Oats (*Avena sativa*).--II, Effect of Differences in Environment, Varieties, and Methods on Biometrical Constants. By C. E. Leighty. (New York Cornell Station Memoir 4, pp. 77-216, figs. 127.)
- Twenty-seventh Annual Report, 1914. (New York Cornell Station Annual Report, 1914, pp. CLXXII + 1161, pls. 43, figs. 315, map 1.)
- Ringling an Unsafe Stimulus to Fruit Bearing. By F. H. Hall. (New York State Station Bulletin 391, popular edition, pp. 4, fig. 1.)
- Studies Relating to the Chemistry of Milk and Casein: I, The Cause of Acidity of Fresh Milk of Cows and a Method for the Determination of Acidity, by L. L. Van Slyke and A. W. Bosworth; II, The Phosphorus Content of Casein, by A. W. Bosworth and L. L. Van Slyke; III, The Action of Rennin on Casein (Second paper), by A. W. Bosworth. (New York State Station Technical Bulletin 37, pp. 11.)
- Condition of Casein and Salts in Milk. By L. L. Van Slyke and A. W. Bosworth. (New York State Station Technical Bulletin 39, pp. 17.)
- Thirty-second Annual Report, 1913. (New York State Station Annual Report, 1913, pp. 214, pls. 33, figs. 54.)
- Extermination of Ground Squirrels, Gophers, and Prairie Dogs in North Dakota. By W. B. Bell and S. E. Piper. (North Dakota Station Circular 4, pp. 11, figs. 6.)
- Tree Fillings and Wound Dressings for Orchard and Shade Trees. By A. D. Selby. (Ohio Station Circular 150, pp. 61-63.)
- Methods of Soil Sterilization for Plant Beds and Greenhouses. By A. D. Selby and J. G. Humbert. (Ohio Station Circular 151, pp. 65-74, figs. 2.)
- An Inquiry into the Nature of a Somatic Segregation of Characters in the LeConte Pear. By W. P. Tufts. (Oregon Station Bulletin 123, pp. 16, figs. 6.)

Second Biennial Crop Pest and Horticultural Report, 1913-14. (Oregon Station Biennial Crop Pest and Horticultural Report, 1913-14, pp. 288, figs. 121.)

The Soils of Pennsylvania. By C. F. Shaw. (Pennsylvania Station Bulletin 132, pp. 209-242, fig. 1.)

Fungus Diseases of Coffee in Porto Rico. By G. L. Fawcett. (Porto Rico Federal Station Bulletin 17, pp. 29, pls. 8.) A limited number of copies of this publication is available for free distribution by the Department of Agriculture.

Studies on Inheritance in Poultry.--II, The Factor for Black Pigmentation in the White Leghorn Breed. By P. B. Hadley. (Rhode Island Station Bulletin 161, pp. 449-459, pl 1.)

Selecting and Breeding Corn for Protein and Oil in South Dakota. By A. N. Hume, M. Champlin, and H. Loomis. (South Dakota Station Bulletin 153, pp. 59-80, fig. 1.)

Selection and Preparation of Seed Potatoes--Size of Seed Piece and Bud Variation. By A. N. Hume, M. Champlin, and I. S. Oakland. South Dakota Station Bulletin 155, pp. 99-111, figs. 4.)

Kaoliang, a New Dry Land Crop. By A. N. Hume and M. Champlin. (South Dakota Station Bulletin 156, pp. 113-127, figs. 5.)

A Survey of Sheep and Lamb Production in 1914. By R. M. Murphy. (Tennessee Station Bulletin 110, pp. 247-264, fig. 1.)

Two Equipments for Investigation of Soil Leachings: A Pit Equipment, by C. A. Mooers; A Hillside Equipment, by W. H. MacIntire. (Tennessee Station Bulletin 111, pp. 8, pls. 4.)

The total Fatty Acids and Other Ether-soluble Constituents of Feedstuffs. By J. B. Rather. (Texas Station Bulletin 169, pp. 5-30.)

Appropriations Asked for the Main Station and Substations, Biennium 1915-16 and 1916-17. Information Concerning Experiment Stations in General and the Texas Station in Particular. (Texas Station Circular 5, n. ser., pp. 5-32, figs. 3.)

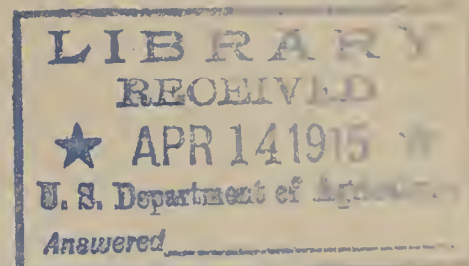
Phosphate for Spinach. By T. C. Johnson. (Virginia Truck Station Bulletin 11, pp. 269-276.)

Control of Green Pea Aphis in 1914 (*Macrosiphum pisi*)-- A Preliminary Report. By L. B. Smith. (Virginia Truck Station Bulletin 13, pp. 301-312, fig. 1.)

Twenty-fourth Annual Report, 1914. (Washington Station Bulletin 118, pp. 45, figs. 13.)

Winter Egg Production. By Helen D. Whitaker. (Washington Station Popular Bulletin 76, pp. 15.)

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LIST OF STATION PUBLICATIONS RECEIVED BY THE OFFICE OF
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- Local Fertilizer Experiments with Corn in South Alabama in 1911, 1912, 1913, and 1914. By J. F. Duggar and J. T. Williamson. (Alabama College Station Bulletin 181, pp. 153-182.)
- Local Fertilizer Experiments with Corn in North Alabama in 1911, 1912, 1913, and 1914. By J. F. Duggar and J. T. Williamson. (Alabama College Station Bulletin 182, pp. 185-211.)
- Irish Potatoes. By J. C. C. Price. (Alabama College Station Bulletin 183, pp. 3-16, figs. 2.)
- Bur Clover Seed, Means of Hastening Their Germination. By J. F. Duggar and H. B. Tisdale. (Alabama College Station Circular 29, pp. 113-116.)
- Annual Report of the Director of the Experiment Station on Work Done Under the Local Experiment Law in 1914. By J. F. Duggar. (Alabama College Station Circular 31, pp. 31.)
- Twenty-seventh Annual Report, 1914. (Alabama College Station Annual Report, 1914, pp. 38.)
- Handbook on Diversified Farming. (Arkansas Station Circular 26, pp. 24.)
- Boys' and Girls' Demonstration Club Work in Arkansas. By W. J. Jernigan. (Arkansas Station Circular 27, pp. 16.)
- Stock Poisoning Plants of California. By H. M. Hall and H. S. Yates. (California Station Bulletin 249, pp. 219-247, figs. 7.)
- The Loquat. By I. J. Condit. (California Station Bulletin 250, pp. 251-284, figs. 11.)
- Alfalfa. By W. T. Clarke. (California Station Circular 87, revised, pp. 6.)
- Alfalfa Silage for Fattening Steers. By G. H. True, F. W. Woll, and V. F. Dolcini. (California Station Circular 124, pp. 4.)
- Aphids on Grain and Cantaloupes. By C. W. Woodworth. (California Station Circular 125, pp. 4, fig. 1.)

Spraying for the Grape Leaf Hopper. By H. J. Quayle. (California Station Circular 126, pp. 6, figs. 2.)

House Fumigation. By C. W. Woodworth. (California Station Circular 127, pp. 4, fig. 1.)

Some Colorado Mushrooms. By B. O. Longyear. (Colorado Station Bulletin 201, pp. 34, pl. 1, figs. 26.)

Testing and Handling of Milk and Cream. By R. McCann. (Colorado Station Bulletin 202, pp. 31, figs. 17.)

Farm Costs on the Colorado Agricultural College Farm. By A. Keyser. (Colorado Station Bulletin 203, pp. 56, figs. 2.)

Brisket Disease (Dropsy of High Altitudes). By G. H. Glover and I. E. Newsom. (Colorado Station Bulletin 204, pp. 24, figs. 5.)

Annual Report of the Director for the Fiscal Year Ending June 30, 1914. By H. Hayward. (Delaware Station Bulletin 107, pp. 15.)

Report of the Guam Agricultural Experiment Station, 1914. (Guam Station Report, 1914, pp. 27, pls. 5, figs. 6.) A limited number of copies of this publication is available for free distribution by the Department of Agriculture.

Ammonification and Nitrification in Hawaiian Soils. By W. P. Kelley. (Hawaii Federal Station Bulletin 37, pp. 52.) A limited number of copies of this publication is available for free distribution by the Department of Agriculture.

The Use of Commercial Fertilizers in Growing Carnations. By H. B. Dorner, F. W. Muncie, and A. H. Nehrling. (Illinois Station Bulletin 176, pp. 365-386, figs. 3.)

The Use of Commercial Fertilizers in Growing Carnations. By H. B. Dorner, F. W. Muncie, and A. H. Nehrling. (Illinois Station Bulletin 176, Abstract, pp. 4.)

Radium as a Fertilizer. By C. G. Hopkins and W. H. Sachs. (Illinois Station Bulletin 177, pp. 389-401.)

Stallion Enrollment.--II, Stallion Service Liens and Sale of Bred Mares. By D. O. Thompson. (Indiana Station Circular 45, pp. 4, fig. 1.)

Stallion Enrollment.--III, Report of Stallion Enrollment Work to Date of October 31, 1914, with Lists of Stallions and Jacks Enrolled and a Brief Study of Some Phases of the Stallion and Jack Situation in Indiana. By D. O. Thompson. (Indiana Station Circular 46, pp. 355, figs. 19.)

Stallion Enrollment.--III, Renewals for 1915. By D. O. Thompson. (Indiana Station Circular 47, pp. 4.)

Notes on the Hog Cholera Conference at Purdue University, December 18, 1913.
By C. H. Clink. (Indiana Station Circular 48, pp. 27, fig. 1.)

The Specific Heat of Milk and Milk Derivatives. By B. W. Hammer and A. R. Johnson. (Iowa Station Research Bulletin 14, pp. 451-463, figs. 6.)

A Bacteriological Study of Blue Milk. By B. W. Hammer. (Iowa Station Research Bulletin 15, pp. 467-481, pls. 4, figs. 3.)

Chemical Changes During Silage Formation. By R. E. Neidig. (Iowa Station Research Bulletin 16, pp. 3-22.)

"Iowa 403" -- A New Seedling Apple. By S. A. Beach. (Iowa Station Circular 18, pp. 4.)

The Control of Chicken Mites and Lice. By R. M. Sherwood. (Iowa Station Circular 19, pp. 2.)

Which Stallion and Why? (Kansas Station Circular 42, pp. 4.)

Dairy Farming. By O. E. Reed. (Kansas Station Circular 45, pp. 26, figs. 9.)

The Spring Cankerworm Situation in Kansas. By G. A. Dean. (Kansas Station Circular 46, pp. 7, figs. 7.)

The Relation of Sulphur to Soil Fertility. By O. M. Shedd. (Kentucky Station Bulletin 188, pp. 595-630.)

I, The Value of Distillers' Dried Grains in Swine Feeding Operations.

II, The Value of Wheat as a Feed for Swine. By E. S. Good and W. V. Smith. (Kentucky Station Bulletin 190, pp. 27.)

Results of Two Years' Work on London Soil Experiment Field. By G. Roberts. (Kentucky Station, pp. 3.)

Anthrax or Charbon: Points of Popular Interest. By H. Morris. (Louisiana Stations Bulletin 152, pp. 11, figs. 3.)

The Comparative Value of Various Germicides for Use in Cane Sugar Factories. By W. L. Owen. (Louisiana Stations Bulletin 153, pp. 54.)

Maine Aphids of the Rose Family. By Edith M. Patch. (Maine Station Bulletin 233, pp. 253-280, pls. 3, figs. 6.)

Studies on Oat Breeding.--II, Selection Within Pure Lines. By F. M. Surface and R. Pearl. (Maine Station Bulletin 235, pp. 40, figs. 2.)

Drugs. (Maine Station Official Inspections 61, pp. 89-104.)

Fertilizer Inspection. (Maine Station Official Inspections 62, pp. 105-140.)

- Ice Cream. (Maine Station Official Inspections 63, pp. 141-152.)
- Seed Inspection. (Maine Station Official Inspections 64, pp. 153-164.)
- Miscellaneous Food Materials. (Maine Station Official Inspections 65, pp. 165-176.)
- Opened Shellfish. (Maine Station Official Inspections 66, pp. 8.)
- Types and Varieties of Maryland Tobacco. By W. W. Garner and D. E. Brown. (Maryland Station Bulletin 188, pp. 135-152, figs. 4.)
- Grass and Rape Seed Inspected in 1913. By C. P. Smith. (Maryland Station Bulletin 189, pp. 153-180.)
- Meteorological Observations at the Massachusetts Agricultural Experiment Station. By J. E. Ostrander and R. E. McLain. (Massachusetts Station Meteorological Bulletin 314, pp. 4.)
- Twenty-second Annual Report, 1914. (Minnesota Station Annual Report, 1914, pp. 72.)
- Bacteriological Effects of Green Manures. By C. F. Priscoe and H. H. Harned. (Mississippi Station Bulletin 168, pp. 20, figs. 7.)
- Cotton Experiments, 1914. By E. C. Ewing, J. R. Ricks, C. T. Ames, and G. B. Walker. (Mississippi Station Bulletin 169, pp. 16.)
- Express Cotton. By E. C. Ewing. (Mississippi Station Circular, 1915, Jan., pp. 8, figs. 2.)
- Land Tenure. By C. R. Johnson and W. E. Foard. (Missouri College Station Bulletin 121, pp. 59-110, figs. 10.)
- Inspection of Commercial Fertilizers for the Year 1914. By P. F. Trobridge et al. (Missouri College Station Bulletin 122, pp. 109-150, fig. 1.)
- Winter Work in Orchards. By M. F. Somes. (Missouri Fruit Station Circular 7, pp. 4.)
- Does Spraying Pay? By M. P. Somes. (Missouri Fruit Station Circular 8, pp. 4.)
- First Annual Report of the State Grain Laboratory of Montana. By A. Atkinson and B. W. Whitlock. (Montana Station Bulletin 101, pp. 163-193, figs. 24.)
- Twelfth Annual Report of the State Entomologist of Montana. By R. A. Cooley. (Montana Station Bulletin 102, pp. 193-208.)
- Irrigation Development in Montana. By S. T. Harding. (Montana Station Bulletin 103, pp. 211-336, figs. 9.)

- Farm Records and Accounts. By E. L. Currier. (Montana Station Circular 43, pp. 87-109, figs. 2.)
- Soil Survey of Orange County, New York. By G. A. Crabb and T. M. Morrison. (New York Cornell Station Bulletin 351, pp. 747-800, fig. 1, map 1.)
- Effects of Variations in Moisture Content on Certain Properties of a Soil and on the Growth of Wheat. By F. S. Harris. (New York Cornell Station Bulletin 352, pp. 805-868, fig. 1.)
- The Interior Quality of Market Eggs. By E. W. Benjamin. (New York Cornell Station Bulletin 353, pp. 46, pls. 7, figs. 15.)
- Further Experiments in the Dusting and Spraying of Apples. By D. Reddick and C. R. Crosby. (New York Cornell Station Bulletin 354, pp. 51-96, figs. 17.)
- Fertilizer Facts for Farmers. By F. H. Hall. (New York State Station Bulletin 392, popular edition, pp. 8, fig. 1.)
- Director's Report for 1914. By W. H. Jordan. (New York State Station Bulletin 393, pp. 627-657.)
- Seed Tests Made at the Station During 1914: I, Inspection of Agricultural Seeds; II, Voluntary Examinations for Correspondents. By M. T. Munn. (New York State Station Bulletin 394, pp. 27.)
- Effect of Various Dressings on Pruning Wounds of Fruit Trees. By G. H. Howe. (New York State Station Bulletin 396, pp. 83-94.)
- Air-cooled Apple Storage Houses. By W. N. Hutt. (North Carolina Station Bulletin 228, pp. 31, figs. 23.)
- The Farmer's Vegetable Garden. By H. O. Werner. (North Dakota Station Circular 5, pp. 18, figs. 4.)
- Special Bulletin Food Department. (North Dakota Station Special Food Bulletin, 3 (1915), No. 15, pp. 249-264.)
- Ohio Weather for 1913. By J. W. Smith and C. A. Patton. (Ohio Station Bulletin 277, pp. 331-406, figs. 54.)
- A Review of the Literature of Phosphorus Compounds in Animal Metabolism. By E. B. Forbes and M. Helen Keith. (Ohio Station Technical Bulletin 5, pp. 748.)
- Sudan Grass. By R. E. Karper. (Oklahoma Station Bulletin 103, pp. 14, figs. 4.)
- Hog Cholera. By L. L. Lewis et al. (Oklahoma Station Bulletin 104, pp. 30, figs. 10.)

- Comparative Cooking Qualities of Some of the Common Varieties of Apples Grown in Oregon. By A. B. Milam and H. B. Gardner. (Oregon Station Bulletin 124, pp. 36, figs. 19.)
- Windbreaks, Hedges, and Ornamentals for Irrigated Sandy Soils of Eastern Oregon. By R. W. Allen. (Oregon Station Bulletin 125, pp. 24, figs. 12.)
- Reports of the Eastern Oregon Branch Experiment Station, 1913-14. By R. Withycombe. (Oregon Station, Report Eastern Oregon Branch Station, 1913-14, pp. 15, figs. 11.)
- Report of the Eastern Oregon Dry Farming Branch Experiment Station, Moro, Oregon, 1913-14. By D. E. Stephens. (Oregon Station, Report Eastern Oregon Dry Farming Branch Station, 1913-14, pp. 42, figs. 14.)
- Biennial Report, 1913-14. (Oregon Station Biennial Report, 1913-14, pp. 30.)
- Steer Feeding Experiments. By W. H. Tomhave and C. W. Hickman. (Pennsylvania Station Bulletin 133, pp. 245-272, figs. 10.)
- The Handling of Porto Rican Oranges, Grapefruit, and Pineapples. By C. W. Mann. (Porto Rico Insular Station Bulletin 7, pp. 59, figs. 24.)
- Brief Instructions for Building a Pit Silo. By C. Larsen. (South Dakota Station Bulletin 154, pp. 83-96, figs. 4.)
- The Small Grains in Tennessee. By C. A. Mooers. (Tennessee Station Bulletin 112, pp. 9-30, figs. 9.)
- Sudan Grass. By B. Youngblood and A. B. Conner. (Texas Station Bulletin 172, pp. 28, pl. 1, figs. 7.)
- The Commercial Production of Sugar Beet Seed in Utah. By F. S. Harris. (Utah Station Bulletin 136, pp. 47-52, figs. 6.)
- Agricultural Seed. By G. P. Burns. (Vermont Station Bulletin 183, pp. 269-294.)
- First Annual Report, Department of Dry Land Demonstration and Experiment, for the Year Ending December 31, 1914. (Washington Station Bulletin 119, pp. 16.)
- First Annual Report, Bureau of Farm Development, for the Year Ending December 31, 1914. (Washington Station Bulletin 120, pp. 36, figs. 6.)
- Washington Wheats. By E. G. Schafer and E. F. Gaines. (Washington Station Bulletin 121, pp. 3-16, figs. 2.)
- Spraying Calendar for 1915. By A. L. Melander and D. C. George. (Washington Station Popular Bulletin 77, folio.)

- The San Jose Scale Insect (Aspidiotus perniciosus). By A. L. Melander.
(Washington Station Popular Bulletin 78, pp. 7, figs. 3.)
- Pruning. By O. M. Morris. (Washington Station Popular Bulletin 79, pp. 32, figs. 42.)
- Fire Blight. By I. D. Cardiff. (Washington Station Popular Bulletin 80, folio, figs. 2.)
- An Efficient Alfalfa Ditcher. By L. M. Lampson and B. Hunter. (Washington Station Popular Bulletin 81, pp. 4, figs. 3.)
- The Yellow Blight of the Tomato. By D. C. George. (Washington Station Popular Bulletin 82, pp. 4.)
- Hints on Goose Culture. By Helen D. Whitaker. (Washington Station Popular Bulletin 83, pp. 4.)
- The Wooden Hoop Silo. By W. D. Zinn. (West Virginia Station Circular 8, pp. 4, figs. 2.)
- Some Factors Affecting the Weight, Composition, and Hatchability of Hen Eggs.
By H. Atwood. (West Virginia Station Circular 9, pp. 4.)
- List of Bulletins Available for General Distribution. (West Virginia Station Circular 10, pp. 4.)
- How to Care for the Little Chick. By E. L. Andrews. (West Virginia Station Circular 11, pp. 4.)
- Orchard and Garden Spraying. By H. L. Crane. (West Virginia Station Circular 12, pp. 4.)
- The Use of Hot Beds and Cold Frames on the Farm. By A. L. Dacy. (West Virginia Station Circular 13, pp. 16, figs. 4.)
- Sweet Clover. By I. S. Cook. (West Virginia Station Circular 14, pp. 7, figs. 5.)
- Report, 1913-14. (West Virginia Station Report, 1913-14, pp. 123, pls. 8, figs. 5.)
- The Disposal of Creamery Sewage. By E. H. Farrington and G. J. Davis, jr.
(Wisconsin Station Bulletin 245, pp. 20, figs. 9.)
- Making Whey Butter at Cheddar Cheese Factories. By J. L. Sammis. (Wisconsin Station Bulletin 246, pp. 24, figs. 6.)
- Farm Credit in Wisconsin, by B. H. Hibbard and F. Robotka; Amortization Schedules, by E. B. Skinner. (Wisconsin Station Bulletin 247, pp. 66, figs. 11.)

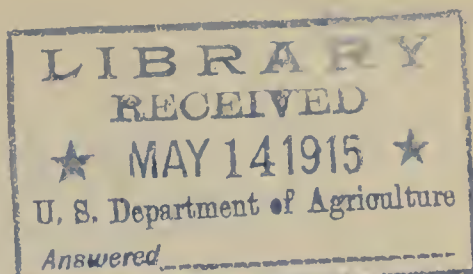
Black Rot, Shed Burn, and Stem Rot of Tobacco. By J. Johnson. (Wisconsin Station Research Bulletin 32, pp. 63-86, figs. 7.)

Comparative Efficiency for Growth of the Nitrogen of Alfalfa Hay and Corn Grain, by E. B. Hart, G. C. Humphrey, and F. B. Morrison; The Comparative Efficiency for Milk Production of the Nitrogen of Alfalfa Hay and Corn Grain, by E. B. Hart, G. C. Humphrey, et al. (Wisconsin Station Research Bulletin 33, pp. 87-119, figs. 7.)

The Eradication of the Sheep Tick. By L. D. Swingle. (Wyoming Station Bulletin 105, pp. 27-47.)

Twenty-fourth Annual Report, 1914. (Wyoming Station Annual Report, 1914, pp. 127-194, figs. 11.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS,
A. C. TRUE, Director.



LIST OF STATION PUBLICATIONS RECEIVED BY THE OFFICE OF
EXPERIMENT STATIONS DURING APRIL, 1915.

NOTE.--The station publications noted in this list are not distributed by the Department of Agriculture, but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

Program of County Organization Day for Boys' Corn Club. By L. N. Duncan and I. B. Kerlin. (Alabama College Station Circular 30, pp. 119-122.)

Twenty-fifth Annual Report, 1914. (Arizona Station Annual Report 1914, pp. 317-378, fig. 1.)

Report of Cultural and Variety Tests with Wheat. By M. Nelson and L. W. Osborn. (Arkansas Station Bulletin 121, pp. 3-32.)

Strawberry Growing in Arkansas. By W. H. Wicks. (Arkansas Station Bulletin 122, pp. 5-48, figs. 22.)

Hog Cholera. By R. M. Gow. (Arkansas Station Circular 25, pp. 8, figs. 8.)

The Utilization of the Nitrogen and Organic Matter in Septic and Imhoff Tank Sludges. By C. B. Lipman and P. S. Burgess. (California Station Bulletin 251, pp. 287-295.)

Yellow Berry in Wheat: Its Cause and Prevention. By W. P. Headden. (Colorado Station Bulletin 205, pp. 3-38, pl. 1, fig. 1.)

Twenty-seventh Annual Report, 1914. (Colorado Station Annual Report, 1914, pp. 32.)

The Gipsy Moth (*Porthetria dispar*). By W. E. Britton. (Connecticut State Station Bulletin 136, pp. 24, figs. 16.)

Fourteenth Report of the State Entomologist, 1914. By W. E. Britton. (Connecticut State Station Report, 1914, pt. 3, pp. VIII + 113-198, pls. 16, figs. 6.)

Commercial Feeding Stuffs, 1914. By J. P. Street et al. (Connecticut State Station Report, 1914, pt. 4, pp. 199-226.)

The Woolly Whitefly. By J. R. Watson. (Florida Station Bulletin 126, pp. 79-102, figs. 12.)

Annual Report, 1914. (Florida Station Annual Report, 1914, pp. CVI + X, figs. 9.)

Effect of Fertilizers on the Physical Properties of Hawaiian Soils. By W. McGeorge. (Hawaii Federal Station Bulletin 38, pp. 31, figs. 3.)
A limited number of copies of this publication is available for free distribution by the Department of Agriculture.

Soils of the Cut and Burned Over Areas of North Idaho. By J. S. Jones and C. W. Colver. (Idaho Station Bulletin 81, pp. 20, figs. 6.)

Canning Fruits and Vegetables on the Farm. By C. C. Vincent. (Idaho Station Bulletin 82, pp. 24, figs. 6.)

Recommended Varieties of Fruit for Idaho. By C. C. Vincent and G. J. Downing. (Idaho Station Bulletin 83, pp. 15, figs. 2.)

Spraying Calendar. By C. C. Vincent and W. C. Edmundson. (Idaho Station Circular 1 (1915), folio.)

Recent Illinois Work on the Corn Root Aphis and the Control of Its Injuries. By S. A. Forbes. (Illinois Station Bulletin 178, pp. 405-466, figs. 18.)

Bond County Soils. By C. G. Hopkins, J. G. Mosier, J. H. Pettit, and O. S. Fisher. (Illinois Station Soil Report 8, pp. 58, pl. 1, figs. 9.)

Twenty-seventh Annual Report, 1914. (Illinois Station Annual Report, 1914, pp. 13.)

The Reclamation of an Unproductive Soil of the Kankakee Marsh Region: Soil Acidity, Nitrification, and the Toxicity of Soluble Salts of Aluminum. By J. B. Abbott, S. D. Conner, and H. R. Smalley. (Indiana Station Bulletin 170, popular edition, pp. 8, figs. 4.)

Sweet Clover. By C. C. Cunningham. (Kansas Station Circular 44, pp. 10, figs. 3.)

Insects Destructive to Grain and Grain Products Stored in Bins and Granaries. By G. A. Dean. (Kansas Station Circular 47, pp. 4.)

Twenty-seventh Annual Report, 1914. (Louisiana Stations Annual Report, 1914, pp. 32.)

Finances, Meteorology, Index, Abstracts of Papers Published by the Station in 1914 but not Included in the Bulletins. (Maine Station Bulletin 234, pp. 279-306 + XVI.)

Field Experiments in 1914. By C. D. Woods. (Maine Station Bulletin 236, pp. 39-64.)

Meteorological Observations at the Massachusetts Agricultural Experiment Station. By J. E. Ostrander and R. E. McLain. (Massachusetts Station Meteorological Bulletin 315, pp. 4.)

Corn. By J. R. Ricks and C. T. Ames. (Mississippi Station Bulletin 170, pp. 3-15.)

- Experiments with Farm Crops in Southwest Missouri. By C. B. Hutchison and T. R. Douglass. (Missouri College Station Bulletin 123, pp. 161-185, figs. 5.)
- Results of Cooperative Spraying Experiments. By W. L. Howard. (Missouri College Station Bulletin 124, pp. 187-285, figs. 5.)
- Rye and Blue Grass Pastures, with and without Grain, for Ewes Suckling Lambs. By H. Hackedorn. (Missouri College Station Circular 73, pp. 33-40, figs. 2.)
- The Yellow Color in Cream and Butter. By L. S. Palmer. (Missouri College Station Circular 74, pp. 41-46.)
- Temperature Records, 1898-1913. By E. Burke and R. M. Pinckney. (Montana Station Bulletin 99, Appendix, pp. 67-143.)
- A Handbook of Nebraska Grasses. By E. M. Wilcox, G. K. K. Link, and Venus W. Pool. (Nebraska Station Bulletin 148, pp. 5-120, figs. 114.)
- Studies in Fruit Bud Formation. By J. H. Gourley. (New Hampshire Station Technical Bulletin 9, pp. 79, pls. 9, figs. 13.)
- Spraying and Thinning Notes, 1914. By J. H. Gourley. (New Hampshire Station Circular 17, pp. 4.)
- Ammonification Studies with Soil Fungi. By H. C. McLean and G. W. Wilson. (New Jersey Stations Bulletin 270, pp. 3-39, fig. 1.)
- Analyses of Materials Sold as Insecticides and Fungicides. By C. S. Cathcart and R. L. Willis. (New Jersey Stations Bulletin 273, pp. 3-13.)
- Analyses and Valuations of Commercial Fertilizers and Ground Bone; Analyses of Agricultural Lime. By C. S. Cathcart et al. (New Jersey Stations Bulletin 274, pp. 3-63.)
- Fertilizer Registrations. By C. S. Cathcart. (New Jersey Stations Bulletin 275, pp. 3-34.)
- Onions, Spinach, Cauliflower, and Cásabas. By F. Garcia and J. W. Rigney. (New Mexico Station Bulletin 92, pp. 41, figs. 9.)
- Two Factors Causing Variation in the Weight of Print Butter. By H. M. Pickerill and E. S. Guthrie. (New York Cornell Station Bulletin 355, pp. 99-111, figs. 3.)
- The Control of Apple Insects in Clinton County. By C. R. Crosby and A. J. Mix. (New York Cornell Station Bulletin 356, pp. 115-130, figs. 24.)
- The Curing of Meat and Meat Products on the Farm. By K. J. Seulke. (New York Cornell Station Circular 27, pp. 13.)

- Purity of Farm Seeds in 1914. By F. H. Hall. (New York State Station Bulletin 394, popular edition, pp. 4, fig. 1.)
- Further Studies on the Spread and Control of Hop Mildew. By F. M. Blodgett. (New York State Station Bulletin 395, pp. 29-80, pls. 2, figs. 2.)
- Pruning Wounds Need no Protection. By F. H. Hall. (New York State Station Bulletin 396, popular edition, pp. 2, fig. 1.)
- Lime-sulphur v. Bordeaux Mixture as a Spray for Potatoes, III. By M. T. Munn. (New York State Station Bulletin 397, pp. 95-105, pls. 2.)
- Milk Quality as Determined by Present Dairy Score Cards. By J. D. Brew. (New York State Station Bulletin 398, pp. 107-132, fig. 1.)
- The Spindling-sprout Disease of Potatoes. By F. C. Stewart and F. A. Sirrine. (New York State Station Bulletin 399, pp. 133-143, pls. 3.)
- Ground Limestone for Acid Soils. By J. F. Barker and R. C. Collison. (New York State Station Bulletin 400, pp. 145-163, pl. 1.)
- Concerning the Organic Phosphorus Compound of Wheat Bran and the Hydrolysis of Phytin.--I, Inosite Triphosphoric Acid in Wheat Bran; II, Hydrolysis of Phytin by the Enzym Phytase; III, Hydrolysis of the Organic Phosphorus Compounds of Wheat Bran by the Enzym Phytase; IV, Phytin in Wheat Bran. By R. J. Anderson. (New York State Station Technical Bulletin 40, pp. 31.)
- Fertilizer Experiments with Corn on Piedmont Cecil Sandy Loam Soil, and Varieties, Culture, and Fertilization of Corn on Piedmont Cecil Sandy Loam and Red Clay Soils. By C. B. Williams, B. W. Kilgore, and A. R. Russell. (North Carolina Station Bulletin 229, pp. 5-50.)
- Report of Four Years' Work of the North Dakota Holstein Cattle Breeding Circuit. By J. H. Shepperd and W. B. Richards. (North Dakota Station Bulletin 109, pp. 93-158, figs. 16.)
- Lessons from the 1906 Test Fence, by E. F. Ladd and W. F. Washburn; North Dakota Paint Law and Its Benefits, by E. F. Ladd; Analyses of Mixed Paints, by E. F. Ladd and W. F. Washburn; Method of Varnish Analysis, by R. W. Darner. (North Dakota Station Paint Bulletin, 1 (1915), No. 6, pp. 73-111, figs. 7.)
- Special Bulletin Food Department. (North Dakota Station Special Food Bulletin, 3 (1915), No. 16, pp. 265-288.)
- Twenty-fifth Annual Report, 1914. (North Dakota Station Annual Report, 1914, pt. 1, pp. 21.)
- Foods, Drugs, and Sanitation -- Report of Food Commissioner, 1914. By E. F. Ladd et al. (North Dakota Station Annual Report, 1914, pt. 2, pp. 41.)

- Summer Treatment of Greenhouse Soil. By W. J. and S. N. Green. (Ohio Station Bulletin 281, pp. 53-68, figs. 7.)
- Corn Experiments. By C. G. Williams and F. A. Welton. (Ohio Station Bulletin 282, pp. 71-109, figs. 8.)
- Grape Culture, With Special Reference to Commercial Production under Irrigation in Eastern Oregon. By R. W. Allen. (Oregon Station Bulletin 126, pp. 3-31, figs. 12.)
- The Spotted Click Beetle (*Monocrepidius vespertinus*). By A. F. Conradi and H. C. Eagerton. (South Carolina Station Bulletin 179, pp. 3-8, pls. 2.)
- The Composition of Texas Feeding Stuffs and Their Utilization. By G. S. Fraps. (Texas Station Bulletin 170, pp. 5-34.)
- The Quality of Home Grown v. Imported Wheat. By R. Stewart and C. T. Hirst. (Utah Station Bulletin 137, pp. 63-76.)
- How to Control the Grasshoppers. By E. D. Ball. (Utah Station Bulletin 138, pp. 79-116, figs. 16.)
- Studies of Club Root.--II, Disease Resistance of Crucifers; Methods of Combatting Club Root. (Vermont Station Bulletin 135, pp. 67-96, pls. 8.)
- Twenty-sixth Annual Report, 1913. (Vermont Station Annual Report, 1913, pp. XX + 327, pls. 14, figs. 42.)
- Twenty-seventh Annual Report, 1914. (Vermont Station Annual Report, 1914, pp. XIX + 294, pls. 39, figs. 17.)
- Care of Brood Sow. By W. Hislop. (Washington Station Popular Bulletin 84, pp. 4, fig. 1.)
- A Movable Hog House. By W. Hislop. (Washington Station Popular Bulletin 85, pp. 4, figs. 4.)
- Turkeys. By Helen D. Whitaker. (Washington Station Popular Bulletin 86, pp. 8.)
- Monthly Bulletins of the Western Washington Experiment Station, Puyallup, Wash. (Western Washington Station Monthly Bulletin, I (1913), Nos. 3, pp. 16, figs. 7; 4, pp. 16, figs. 10; 1 (1914), Nos. 5, pp. 16, figs. 5; 6, pp. 16, figs. 9; 7, pp. 16, figs. 4; 2 (1914), Nos. 1, pp. 16, figs. 3; 2, pp. 16, figs. 4; 3, pp. 16, figs. 5; 4, pp. 7, fig. 1; 5, pp. 12, fig. 1; 6, pp. 16, figs. 5; 7, pp. 12, fig. 1; 8, pp. 12, fig. 1; 2 (1915), Nos. 10, pp. 30, figs. 3; 12, pp. 16, figs. 6; 3 (1915), No. 1, pp. 16, figs. 5.)
- An Orchard Survey of Jefferson County. By R. R. Jeffries. (West Virginia Station Bulletin 147, pp. 3-31, pl. 1, figs. 5.)

April, 1915.

A Poultry Survey of Jackson County. By F. S. Jacoby. (West Virginia Station Bulletin 148, pp. 3-38, pl. 1, figs. 13.)

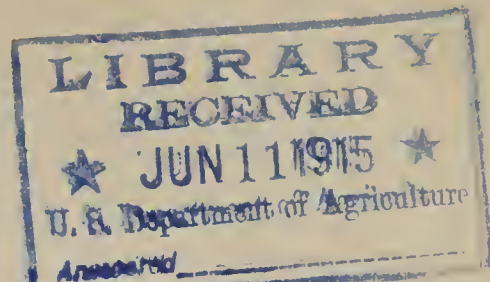
Commercial Fertilizers, Inspection 1914. By B. H. Hite and F. B. Kunst. (West Virginia Station Inspection Bulletin 3, pp. 3-45.)

Organization and Construction of Creameries and Cheese Factories. By E. H. Farrington and G. H. Benkendorf. (Wisconsin Station Bulletin 244, pp. 3-52, figs. 16.)

Strawberry Culture in Wisconsin. By J. G. Moore. (Wisconsin Station Bulletin 248, pp. 3-40, figs. 11.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS,
A. C. TRUE, Director.



LIST OF STATION PUBLICATIONS RECEIVED BY THE OFFICE OF

EXPERIMENT STATIONS DURING MAY, 1915.

NOTE.--The station publications noted in this list are not distributed by the Department of Agriculture, but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

A New and Prolific Variety of Cotton. (Alabama Tuskegee Station Bulletin 26, pp. 7, fig. 1.)

The Deterioration of Lumber. By M. B. Pratt. (California Station Bulletin 252, pp. 299-320, figs. 8.)

Irrigation and Soil Conditions in the Sierra Nevada Foothills, California, By R. D. Robertson and J. W. Nelson. (California Station Bulletin 253, pp. 323-378, figs. 26.)

Insecticide Formulas. By C. W. Woodworth. (California Station Circular 128, pp. 7.)

Chickens--Milk Feeding and Its Influence on Growth and Mortality--Comparative Study of the Value of Sweet and Sour Milk. By L. F. Rettger, W. F. Kirkpatrick, and L. E. Gard. (Connecticut Storrs Station Bulletin 80, pp. 3-28 figs. 17.)

How to Grow Muskmelons. By J. W. Lloyd. (Illinois Station Circular 139, 2. edition, revised, pp. 18, figs. 8.)

Some Common Spray Mixtures. By O. S. Watkins. (Illinois Station Circular 160, 3. edition, revised, pp. 19.)

Four Aphids Injurious to the Apple. By B. S. Pickett. (Illinois Station Circular 179, pp. 4.)

Making Old Orchards Profitable. By L. Greene. (Iowa Station Circular 20, pp. 3-32, figs 14.)

Corn Stalk and Corn Root Diseases in Iowa. By L. H. Pammel, Charlotte M. King, and J. L. Seal. (Iowa Station Circular 21, pp. 3-8, figs. 2.)

The Hessian Fly. By R. L. Webster. (Iowa Station Circular 22, pp. 4, figs. 6.)

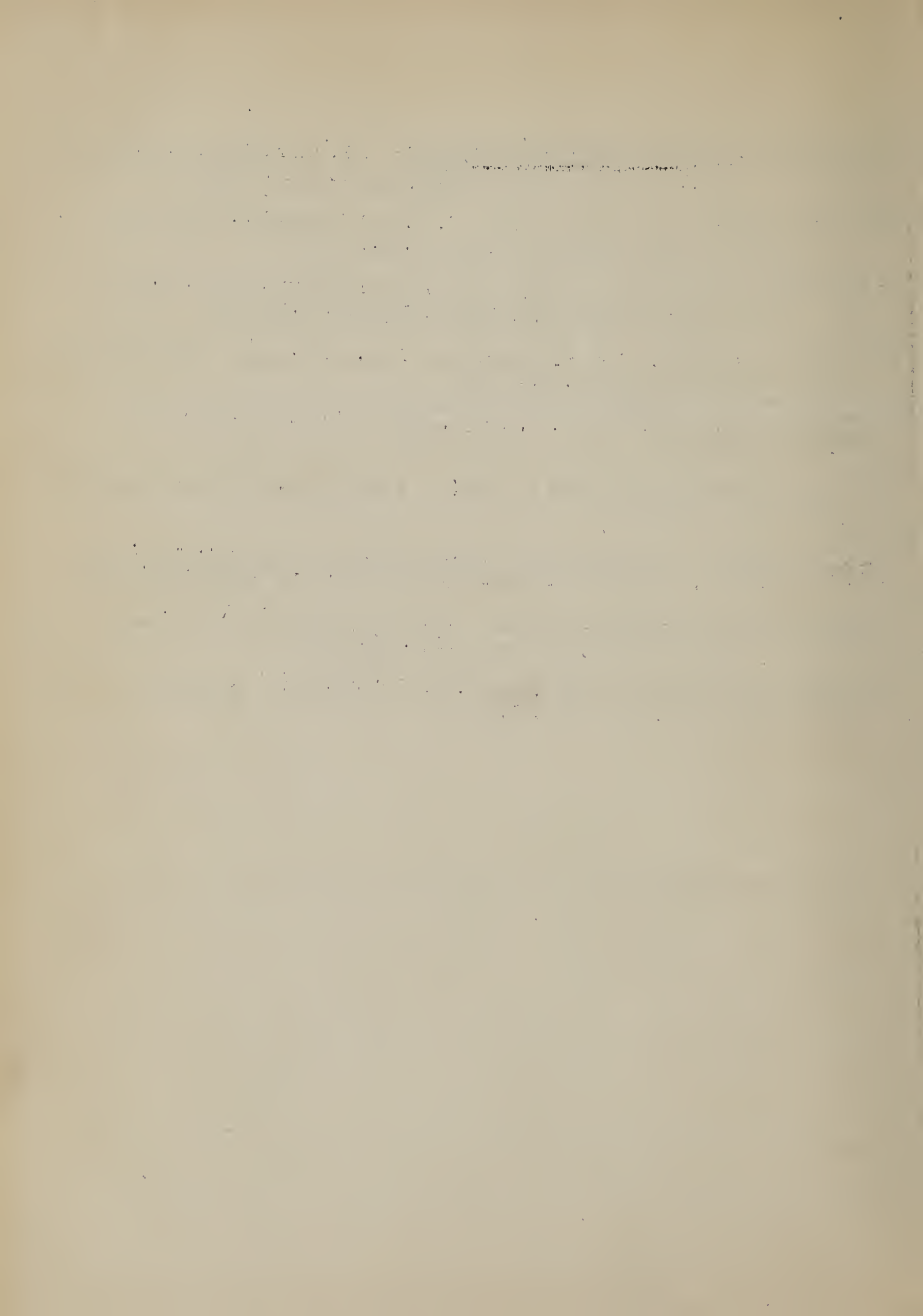
Kansas Flours: Chemical, Baking, and Storage Tests. By C. O. Swanson, J. T. Willard, and L. A. Fitz. (Kansas Station Bulletin 202, pp. 3-135, figs. 21.)

Milk and Cream. (Maine Station Official Inspections 67, pp. 9-28.)

- Meteorological Observations at the Massachusetts Agricultural Experiment Station.
By J. E. Ostrander and R. E. McLain. (Massachusetts Station Meteorological
Bulletin 316, pp.4.)
- Beet Residues for Farm Stock. By J. B. Lindsey. (Massachusetts Station
Circular 48, pp. 7.)
- Cabbage, Cauliflower, Turnip, Rape, and Other Crucifers. By W. P. Brooks.
(Massachusetts Station Circular 49, revision of No. 38, pp. 4.)
- Rations for Dairy Stock. By J. B. Lindsey. (Massachusetts Station Circular
50, pp. 8.)
- Downy Mildew of Cucumbers. By G. E. Stone. (Massachusetts Station Circular
51, revision of No. 40, pp. 2, fig. 1.)
- The Control of Onion Smut. By G. E. Stone. (Massachusetts Station Circular
52, revision of No. 41, pp. 4, figs. 4.)
- Lime and Sulphur Solutions. By G. E. Stone. (Massachusetts Station Circular
53, revision of No. 39, pp. 2.)
- Poultry Manures, Their Treatment and Use. By W. P. Brooks. (Massachusetts
Station Circular 54, revision of No. 36, pp. 4.)
- The Cost of Production on Missouri Farms. By O. R. Johnson and W. E. Foard.
(Missouri College Station Bulletin 125, pp. 287-316, figs. 5.)
- Soil Experiments on the Level Prairies of Northeast Missouri. By M. F.
Miller, C. B. Hutchison, and R. R. Hudelson. (Missouri College Station
Bulletin 126, pp. 317-354, figs. 6.)
- Soil Experiments on the Dark Prairies of Central and Northeast Missouri. By
M. F. Miller, C. B. Hutchison, and R. R. Hudelson. (Missouri College
Station Bulletin 127, pp. 355-384, figs. 7.)
- Soil Experiments on the Rolling Glacial Land of North Missouri. By M. F.
Miller, C. B. Hutchison, and R. R. Hudelson. (Missouri College Station
Bulletin 128, pp. 385-401, figs. 4.)
- Soil Experiments on the Red Limestone Upland of Southwest Missouri. By
M. F. Miller, C. B. Hutchison, and R. R. Hudelson. (Missouri College
Station Bulletin 129, pp. 403-421, figs. 5.)
- Soil Experiments on the Gray Prairie of Southwest Missouri. By M. F. Miller,
C. B. Hutchison, and R. R. Hudelson. (Missouri College Station Bulletin
130, pp. 423-442, figs. 4.)
- Work and Progress of the Agricultural Experiment Station for the Year Ending
June 30, 1914. By F. B. Mumford et al. (Missouri College Station
Bulletin 131, pp. 443-509, figs. 8.)
- The Control of San Jose Scale in Missouri. By L. Haseman. (Missouri
College Station Bulletin 132, pp. 9, figs. 3.)

- An Experimental Study of the Rest Period in Plants. By W. L. Howard.
(Missouri College Station Research Bulletin 16, pp. 3-27, figs. 12.)
- Pork Production. By W. P. Snyder. (Nebraska Station Bulletin 147, pp. 5-56, figs. 5.)
- Raising the Dairy Calf. By E. G. Woodward. (Nebraska Station Bulletin 149, pp. 3-16, figs. 8.)
- Soy Beans and Cowpeas. By T. A. Kiesselbach. (Nebraska Station Bulletin 150, pp. 31, figs. 6.)
- The Cost of Milk Production. By H. A. Hopper and F. E. Robertson. (New York Cornell Station Bulletin 357, pp. 135-162, figs. 6.)
- Lime-Sulphur Injurious to Potatoes. By F. H. Hall. (New York State Station Bulletin 397, popular edition, p. 1.)
- Strawberry Varieties. By O. M. Taylor. (New York State Station Bulletin 401, pp. 165-192.)
- Strawberry Varieties. By O. M. Taylor. (New York State Station Bulletin 401, abridged, pp. 8.)
- The Status of Spraying Practices for the Control of Plant Lice in Apple Orchards. By P. J. Parrott and H. E. Hodgkiss. (New York State Station Bulletin 402, pp. 193-210, pls. 2, figs. 2.)
- New or Noteworthy Fruits, III. By U. P. Hedrick. (New York State Station Bulletin 403, pp. 211-220, pls. 4.)
- Fibrin. By A. W. Bosworth. (New York State Station Technical Bulletin 41, pp. 3-6.)
- Dry Farming Investigations in Western North Dakota. By J. C. Thysell, H. C. McKinstry, R. S. Towle, and A. J. Ogaard. (North Dakota Station Bulletin 110, pp. 159-207, figs. 11.)
- Tomatoes for North Dakota. By H. O. Werner. (North Dakota Station Bulletin 111, pp. 209-232, figs. 3.)
- Early and Late Sowing of Flax--Growing Flax on Corn Ground--The Seed Field--Resistant Seed. By H. L. Bolley. (North Dakota Station Circular 6, pp. 4.)
- Some Important Animal Parasites Affecting Ohio Live Stock. By D. C. Mote. (Ohio Station Bulletin 280, pp. 23-52, figs. 21.)
- Experimental Results in Young Orchards in Pennsylvania. By J. T. Stewart. (Pennsylvania Station Bulletin 134, pp. 3-20, figs. 3.)
- Citrus Fertilization Experiments in Porto Rico. By C. F. Kinman. (Porto Rico Station Bulletin 18, pp. 33, pls. 2.)

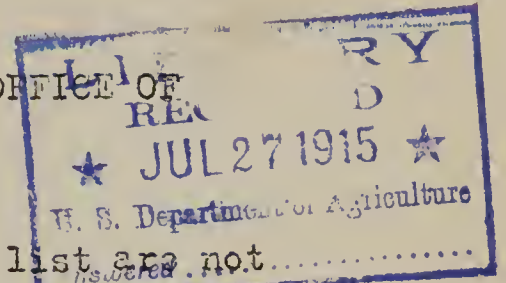
- Corn and Cotton Wireworm (Horistonotus uhlerii). By A. F. Conradi and H. C. Egerton. (South Carolina Station Bulletin 180, pp. 16, pls. 4.)
- Apple Rust or Cedar Rust in West Virginia. By N. J. Giddings and A. Berg. (West Virginia Station Circular 15, pp. 16, figs. 7.)
- The Fertilizer Law and Rules and Regulations for Its Enforcement. By B. H. Hite. (West Virginia Station Circular 16, pp. 11, fig. 1.)
- Field Beans--A Profitable West Virginia Crop. By I. S. Cook. (West Virginia Station Circular 18, pp. 11, figs. 5.)
- Growing Forage Crops for Hogs. By R. R. Snapp. (West Virginia Station Circular 19, pp. 4.)
- A New Test for Soil Acidity. By E. Truog. (Wisconsin Station Bulletin 249, pp. 3-16, pl. 1, figs. 3.)
- The Year's Progress of the Experiment Station--Report of the Director, 1914. By H. L. Russel. (Wisconsin Station Bulletin 250, pp. 3-109, figs. 49.)
- Markets and Prices of Wisconsin Cheese. By B. H. Hibbard and A. Hobson. (Wisconsin Station Bulletin 251, pp. 3-56, figs. 22.)
- Potato Seed Certification in Wisconsin. By J. G. Milward. (Wisconsin Station Bulletin 252, pp. 3-11, fig. 1.)



UNITED STATES DEPARTMENT OF AGRICULTURE
STATES RELATIONS SERVICE,
A. C. TRUE, Director.

LIST OF STATION PUBLICATIONS RECEIVED BY THE OFFICE OF

EXPERIMENT STATIONS DURING JUNE, 1915.



NOTE.--The station publications noted in this list are not distributed by the Department of Agriculture, but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

Local Fertilizer Experiments With Sweet Potatoes. By J. F. Duggar and J. T. Williamson. (Alabama College Station Bulletin 184, pp. 19-34.)

Fly Baits. By J. E. Buck. (Alabama College Station Circular 32, pp. 34-39, fig. 1.)

When, What, and How to Can and Preserve Fruits and Vegetables in the Home. By G. W. Carver. (Alabama Tuskegee Station Bulletin 27, pp. 3-8.)

The Avocado in California. By I. J. Condit and M. E. Jaffa. (California Station Bulletin 254, pp. 381-402, figs. 9.)

The Control of Citrus Insects. By H. J. Quayle. (California Station Circular 129, pp. 35, figs. 18.)

Food Products and Drugs, 1914. By J. P. Street et al. (Connecticut State Station Report, 1914, pt. 5, pp. 227-356.)

Mangoes in Florida. By P. H. Rolfs. (Florida Station Bulletin 127, pp. 105-138, figs. 19.)

Twenty-sixth Annual Report, 1913. (Georgia Station Annual Report, 1913, pp. 309-319.)

Twenty-seventh Annual Report, 1914. (Georgia Station Annual Report, 1914, pp. 259-272.)

Some Common Spray Mixtures. By O. S. Watkins. (Illinois Station Circular 160, pp. 3-19.)

Cattle Feeding.--X, Winter Steer Feeding, 1913-14. By J. H. Skinner and F. G. King. (Indiana Station Bulletin 178, pp. 343-384.)

Sheep Feeding.--IV, Fattening Western Lambs, 1913-14. By J. H. Skinner and F. G. King. (Indiana Station Bulletin 179, pp. 387-404, fig. 1.)

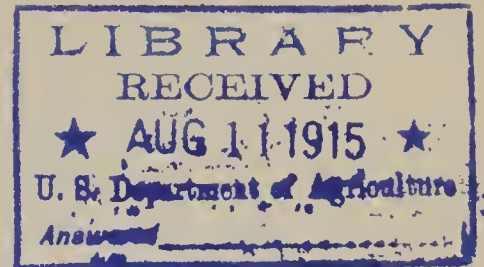
- Farm Manured. By J. C. Beavers. (Indiana Station Circular 49, pp. 20, figs. 3.)
- The Creamery and Testers' License Law. By O. F. Hunziker and G. L. Ogle. (Indiana Station Circular 50, pp. 36, pl. 1, figs. 9.)
- How to Produce Cream that Makes Good Butter. By O. F. Hunziker and G. L. Ogle. (Indiana Station Circular 51, pp. 8, figs. 7.)
- Potato Insects. By R. L. Webster. (Iowa Station Bulletin 155, pp. 359-420, figs. 43.)
- Orchard Spraying. By D. E. Lewis. (Kansas Station Bulletin 203, pp. 5-44, figs. 15.)
- Raising Calves on Skim Milk. By O. E. Reed. (Kansas Station Circular 48, pp. 11, figs. 4.)
- Pruning. By F. S. Merrill. (Kansas Station Circular 49, pp. 14, figs. 9.)
- The Assumption of Male Secondary Characters by a Cow With Cystic Degeneration of the Ovaries. By R. Pearl and F. M. Surface. (Maine Station Bulletin 237, pp. 65-80, pls. 3.)
- Leafhoppers of Maine. By H. Osborn. (Maine Station Bulletin 238, pp. 81-160, figs. 25.)
- Apple Spraying Experiments in 1914. By W. J. Morse and M. Shapovalov. (Maine Station Bulletin 240, pp. 177-196.)
- Twenty-sixth Annual Report, 1913. (Maryland Station Annual Report, 1913, pp. XX+271, figs. 64.)
- Report of Cranberry Substation for 1914. By H. J. Franklin. (Massachusetts Station Bulletin 160, pp. 91-117.)
- The Effect on a Crop of Clover of Liming the Soil. By F. W. Morse. Toxic Effect of Iron and Aluminum Salts on Clover Seedlings. By R. W. Ruprecht. (Massachusetts Station Bulletin 161, pp. 119-129, pl. 1.)
- Meteorological Observations at the Massachusetts Agricultural Experiment Station. By J. E. Ostrander and R. E. McLain. (Massachusetts Station Meteorological Bulletin 317, pp. 4.)
- An Experimental Study of the Rest Period in Plants. By W. L. Howard. (Missouri College Station Research Bulletin 15, pp. 3-25, figs. 8.)
- Mulched Potatoes for Seed Purposes in Eastern Nebraska. By R. F. Howard. (Nebraska Station Bulletin 146, popular edition, pp. 3-6.)
- Pork Production. By W. P. Snyder. (Nebraska Station Bulletin 147, popular edition, pp. 5-31, figs. 4.)

- Corn Silage and Alfalfa Hay for Beef Production. By R. K. Bliss and C. B. Loo. (Nebraska Station Bulletin 151, pp. 5-43, figs. 16.)
- Spraying and Dusting White Potatoes. By T. J. Hoadlee et al. (New Jersey Stations Circular 42, pp. 3-8.)
- Meadows and Pastures. By J. H. Voorhees. (New Jersey Stations Circular 43, pp. 3-7.)
- Common Diseases of Apples, Pears, and Quinces. By M. T. Cook. (New Jersey Stations Circular 44, pp. 2-19, figs. 18.)
- Common Diseases of the Peach, Plum, and Cherry. By M. T. Cook. (New Jersey Stations Circular 45, pp. 2-16, figs. 10.)
- The Hessian Fly. By T. J. Headlee. (New Jersey Stations Circular 46, pp. 3-8.)
- Soil Physics and Soil Moisture in Relation to First Year's Growth of Alfalfa. By L. R. McNeely and G. W. Kable. (New Mexico Station Bulletin 93, pp. 42, figs. 18.)
- Some Important Leaf Diseases of Nursery Stock. By V. B. Stewart. (New York Cornell Station Bulletin 358, pp. 171-226, figs. 29.)
- Some External Parasites of Poultry With Special Reference to Mallophaga, with Directions for their Control. By G. W. Herrick. (New York Cornell Station Bulletin 359, pp. 233-268, figs. 22.)
- Variations in the Tests for Fat in Cream and Skimmed Milk. By E. S. Guthrie and G. C. Supplee. (New York Cornell Station Bulletin 360, pp. 271-289, figs. 9.)
- Physiological Studies of Bacillus radicicola of Canada Field Pea. By M. J. Prucha. (New York Cornell Station Memoir 5, pp. 9-83.)
- Apple Cankers and Their Control. By L. R. Hesler. (New York Cornell Station Circular 28, pp. 17-28, figs. 16.)
- Do Low Scores Always Mean Poor Milk? By F. H. Hall. (New York State Station Bulletin 398, popular edition, pp. 3-11, fig. 1.)
- "Spindling-Sprout" of Potatoes. By F. H. Hall. (New York State Station Bulletin 399, popular edition, pp. 4, figs. 2.)
- Ground Limestone for Sour Soils. By F. H. Hall. (New York State Station Bulletin 400, popular edition, pp. 2-8.)
- Controlling Plant Lice in Apple Orchards. By F. H. Hall. (New York State Station Bulletin 402, popular edition, pp. 3-7, figs. 2.)
- Inspection of Feeding Stuffs. By A. W. Clark. (New York State Station Bulletin 404, pp. 221-334.)

- Potato-Spraying Experiments at Rush in 1914. By F. C. Stewart.
(New York State Station Bulletin 405, pp. 335-339.)
- Special Bulletin Food Department. (North Dakota Station Special Food
Bulletin, 3(1915), No. 17, pp. 289-304.)
- Specific Effects of Rations on the Development of Swine. By E. B.
Forbes et al. (Ohio Station Bulletin 283, pp. 111-152, figs. 12.)
- Rations for Growing and Fattening Roasters and Capons. By W. J. Buss.
(Ohio Station Bulletin 284, pp. 155-172, figs. 2.)
- On Nitrification, Preliminary Observations. By E. R. Allen and A.
Bonazzi. (Ohio Station Technical Bulletin 7, pp. 5-42, figs. 6.)
- A Metabolism Crate for Swine. By E. B. Forbes. (Ohio Station
Circular 152, pp. 75-85, figs. 11.)
- Mushrooms--Edible and Poisonous. By D. C. Babcock. (Ohio Station
Circular 153, pp. 87-92, figs. 3.)
- Report of the Eastern Oregon Branch Experiment Station for 1911-12. By
R. Withycombe. (Oregon Station, Report Eastern Oregon Branch
Station, 1911-12, pp. 5-60, figs. 21.)
- Annual Report, 1913. (Pennsylvania Station Annual Report, 1913, pp.
750, pls. 124.)
- Sex Ratios in Pigeons, Together with Observations on the Laying, Incubation,
and Hatching of the Eggs. By L. J. Cole and W. F. Kirkpatrick.
(Rhode Island Station Bulletin 162, pp. 463-512, figs. 5.)
- Analyses of Feeding Stuffs. By P. H. Wessels et al. (Rhode Island
Station Inspection Bulletin, 1915, May, pp. 2-16.)
- Twenty-sixth and Twenty-seventh Reports, 1913 and 1914. (Bulletin of
Rhode Island State College, 10(1915), No. 4, pp. 23-36.)
- Rape Pasture for Pigs in Corn Field. 'Kaoliang for Pigs. By J. W.
Wilson. (South Dakota Station Bulletin 157, pp. 131-143, figs. 5.)
- Proso and Kaoliang as Table Foods. By N. E. Hansen and Nola K. Fromme.
(South Dakota Station Bulletin 158, pp. 147-176, figs. 2.)
- Progress in Plant Breeding. By N. E. Hansen. (South Dakota Station
Bulletin 159, pp. 179-192, figs. 7.)
- Annual Report, 1913. (South Dakota Station Annual Report, 1913, pp. 38.)
- How to Comply with the Law Regulating the Sale of Concentrated Feed
Stuffs in Texas. By B. Youngblood. (Texas Station Circular 6,
n. ser., pp. 14.)

- Farm Apple Storage. By M. B. Cummings and P. M. Lombard. (Vermont Station Bulletin 186, pp. 99-136, pls. 4, figs. 6.)
- Flora of Vermont. By G. P. Burns et al. (Vermont Station Bulletin 187, pp. 139-258.)
- Forest Planting in Vermont as an Investment. By A. F. Hawes. (Vermont Station Bulletin 188, pp. 261-294, pls. 4.)
- Control of the Colorado Potato Beetle (Leptinotarsa decemlineata). By L. B. Smith. (Virginia Truck Station Bulletin 14, pp. 315-333, figs. 5.)
- Profitable Hog Feeding. By W. Hislop. (Washington Station Popular Bulletin 87, pp. 8.)
- Wheat Silage. By J. R. Shinn. (Washington Station Popular Bulletin 88, pp. 4, fig. 1.)
- Control of Tumbling Mustard. By R. G. Adams and B. Hunter. (Washington Station Popular Bulletin 89, pp. 7, figs. 3.)
- Farm Manure: Methods of Preservation and Application. By G. A. Olson. (Washington Station Popular Bulletin 90, pp. 8.)
- Essentials for Growth of Chicks. By Helen D. Whitaker. (Washington Station Popular Bulletin 91, pp. 4.)
- Monthly Bulletins of the Western Washington Experiment Station, Puyallup, Wash. (Western Washington Station Monthly Bulletins, 3 (1915), Nos. 2, pp. 16; 3, pp. 8.)
- The University Farm Garden. By A. L. Dacy et al. (West Virginia Station Circular 17, pp. 16, figs. 4.)
- Soy Beans--An Important West Virginia Crop. By I. S. Cook and W. B. Kemp. (West Virginia Station Circular 20, pp. 19, figs. 4.)
- The Social Anatomy of an Agricultural Community. By C. J. Galpin. (Wisconsin Station Research Bulletin 34, pp. 34, pl. 1, figs. 7.)
- List of the Bulletins and Annual Reports by the Agricultural Experiment Station. (Wyoming Station Index Bulletin E, pp. 94.)

UNITED STATES DEPARTMENT OF AGRICULTURE
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LIST OF STATION PUBLICATIONS RECEIVED BY THE STATES
RELATIONS SERVICE DURING JULY, 1915.

NOTE.--The station publications noted in this list are not distributed by the Department of Agriculture, but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

- Smudging an Orchard with Native Material in Alabama. By R. E. Malone.
(Alabama Tuskegee Station Bulletin 28, pp. 3-8.)
- Possibilities of the Sweet Potato in Macon County, Alabama. By G. W. Carver.
(Alabama Tuskegee Station Bulletin 30, pp. 5-22, figs. 8.)
- Oil Engines for Pump Irrigation and the Cost of Pumping. By G. E. P. Smith.
(Arizona Station Bulletin 74, pp. 379-450, pls. 4, figs. 17.)
- The Citricola Scale. By H. J. Quayle. (California Station Bulletin 255, pp. 405-421, figs. 7.)
- The Value of Barley for Cows Fed Alfalfa. By G. H. True et al.
(California Station Bulletin 256, pp. 425-445, figs. 6.)
- Cabbage Growing in California. By S. S. Rogers. (California Station Circular 130, pp. 22, figs. 9.)
- Spraying for the Control of the Walnut Aphis. By A. R. Tylor.
(California Station Circular 131, pp. 11, figs. 2.)
- When to Vaccinate Against Hog Cholera. (California Station Circular 132, pp. 4, fig. 1.)
- Some New Bacterial Diseases of Legumes and the Relationship of the Organisms Causing the Same. By T. F. Manns. (Delaware Station Bulletin 108, pp. 3-44, figs. 21.)
- A Biochemical Study of Nitrogen in Certain Legumes. By A. L. Whiting.
(Illinois Station Bulletin 179, pp. 471-542, figs. 23.)
- A Biochemical Study of Nitrogen in Certain Legumes. By A. L. Whiting.
(Illinois Station Bulletin 179, Abstract, pp. 8, figs. 2.)

- Observations and Experiments on the San Jose Scale. By S. A. Forbes.
(Illinois Station Bulletin 180, pp. 545-561, figs. 3.)
- Soil Moisture and Tillage for Corn. By J. G. Mosier and A. F. Gustafson.
(Illinois Station Bulletin 181, pp. 564-586, figs. 7.)
- Potassium From the Soil. By C. G. Hopkins and J. P. Aumer. (Illinois
Station Bulletin 182, pp. 2-10, figs. 2.)
- How Not to Treat Illinois Soils. By C. G. Hopkins. (Illinois Station
Circular 181, pp. 3-32.)
- Lake County Soils. By C. G. Hopkins et al. (Illinois Station Soil
Report 9, pp. 52, pl. 1, figs. 9.)
- Commercial Fertilizers. By W. J. Jones, jr. et al. (Indiana Station
Bulletin 180, pp. 407-520, fig. 1.)
- Pasteurization of Cream for Buttermaking. I. Effect on Quality and
Chemical Composition. By M. Mortensen et al. II. Bacteriological
Studies. By B. W. Hammer. (Iowa Station Bulletin 156, pp. 3-40.)
- Improving Iowa's Peat and Alkali Soils. By W. H. Stevenson and P. E.
Brown. (Iowa Station Bulletin 157, pp. 43-79, figs. 15.)
- The Determination of Ammonia in Soils. By R. S. Potter and R. S. Snyder.
(Iowa Station Research Bulletin 17, pp. 3-19, fig. 1.)
- Common Corn Insects. By R. L. Webster. (Iowa Station Circular 23,
pp. 2-16, figs. 15.)
- Commercial Fertilizers: I. Analyses of Inspection Samples of Fertilizers.
By J. T. Willard and R. C. Wiley. II. Value and Use. By C. O.
Swanson. (Kansas Station Bulletin 204, pp. 3-40.)
- Protecting Cabbage and Cauliflower from Attacks by Worms. By E. S.
Tucker. (Louisiana Stations Bulletin 154, pp. 2-16, figs. 2.)
- Tests of Varieties of Corn. By W. E. Hanger. (Maryland Station
Bulletin 190, pp. 181-211, pls. 9.)
- Phosphates in Massachusetts Agriculture--Importance, Selection, and Use.
By W. P. Brooks. (Massachusetts Station Bulletin 162, pp. 131-167,
pls. 2.)
- Meteorological Observations at the Massachusetts Agricultural Experiment
Station. By J. E. Ostrander and D. Potter. (Massachusetts Station
Meteorological Bulletin 318, pp. 4.)

July, 1915.

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- The Composition and Value of Farm Manures. By O. F. Jensen.
(Michigan Station Circular 25, pp. 3-7.)
- Barley Investigations. By C. P. Bull. (Minnesota Station Bulletin
148, pp. 5-47, figs. 12.)
- Experiments with Small Grains. By J. R. Ricks. (Mississippi Station
Bulletin 171, pp. 3-12.)
- The Silo and Its Use. By C. H. Eckles. (Missouri College Station
Bulletin 133, pp. 4-19, figs. 5.)
- Insect Pests of Field Crops. By L. Haseman. (Missouri College
Station Bulletin 134, pp. 39, figs. 39.)
- An Experimental Study of the Rest Period in Plants.--Seeds. By W. L.
Howard. (Missouri College Station Research Bulletin 17, pp. 3-58.)
- The Maintenance Requirement of Cattle as Influenced by Condition, Plane of
Nutrition, Age, Season, Time on Maintenance, Type, and Size of Animal.
By P. F. Trowbridge et al. (Missouri College Station Research Bulletin
18, pp. 5-62, figs. 17.)
- Spray Calendar. By F. W. Faurot. (Missouri Fruit Station Circular 6,
pp. 2-12, figs. 7.)
- Tomato Tests. By O. B. Whipple and L. G. Schermerhorn. (Montana
Station Bulletin 104, pp. 339-347, figs. 5.)
- The Intradermal Test in Bovine Tuberculosis. By H. Welch. (Montana
Station Bulletin 105, pp. 351-380, figs. 20.)
- Twenty-First Annual Report, 1914. (Montana Station Annual Report, 1914,
pp. 383-408.)
- Report of the Department of Food and Drugs Control, and Weights and
Measures for the Period Ending December 31, 1914. (Nevada Station
Report Department Food and Drugs Control, 1914, pp. 5-34.)
- Annual Report, 1914. (Nevada Station Annual Report, 1914, pp. 55, pls. 2.)
- The Grape Leafhopper. By D. E. Merrill. (New Mexico Station Bulletin
94, pp. 3-33, figs. 10.)
- Dwarf Apples. By U. P. Hedrick. (New York State Station Bulletin 406,
pp. 341-368, pls. 7.)
- Poultry Parasites: Some of the External Parasites that Infest Domestic
Fowls, with Suggestions for their Control. By G. W. Herrick.
(New York Cornell Station Circular 29, pp. 29-39, figs. 5.)

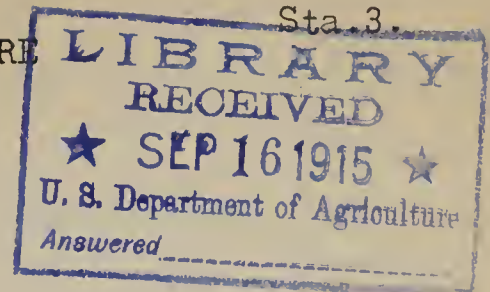
- Cherries of New York. By U. P. Hedrick et al. (New York State Station Annual Report, 1914, pt. 2, pp. XII+371, pls. 57.)
- Variety Tests of Corn for 1914. By G. M. Garren. (North Carolina Station Bulletin 230, pp. 3-12.)
- Report on Variety Tests of Cotton for 1914. By R. Y. Winters. (North Carolina Station Bulletin 231, pp. 3-18.)
- Farmers' Market Bulletin, Growers' Edition. (North Carolina Station Farmers' Market Bulletin, Growers' Edition, 2 (1915), No. 3, pp. 16.)
- Special Bulletin Food Department. (North Dakota Station Special Food Bulletin, 3 (1915), No. 18, pp. 305-320.)
- Food and Drug Laws. By E. F. Ladd. (North Dakota Station Special Bulletin 6 (Reprint), May, 1915, pp. 48.)
- The Metabolism of Organic and Inorganic Compounds of Phosphorus. By E. B. Forbes et al. (Ohio Station Technical Bulletin 6, pp. 3-80, figs. 23.)
- Silage Feeding. By C. I. Bray. (Oklahoma Station Circular 36, pp. 2-8.)
- The Comparative Values of Cotton Seed, Cotton-seed Meal, and Corn, as Shown by Chemical Analyses. By C. K. Francis. (Oklahoma Station Circular of Information 37, pp. 4.)
- Pruning: Plant Physiology as Related to Pruning. By W. M. Atwood.
The Study of Fruit Buds. By E. J. Kraus. Pruning Young Trees.
By C. I. Lewis. Pruning the Bearing Apple and Pear Trees. By V. R. Gardner.
V. R. Gardner. Pruning the Bearing Prune Tree. By V. R. Gardner.
(Oregon Station Bulletin 130, pp. 72, figs. 58.)
- La Apicultura Portorriquena. By E. F. Phillips. (Porto Rico Federal Station Bulletin 15, Spanish Edition, pp. 28, pls. 2.)
- Annual Report, 1914. (Porto Rico Federal Station Annual Report, 1914, pp. 35, pls. 3.) A limited number of copies of this publication is available for free distribution by the Department of Agriculture.
- Analyses of Commercial Fertilizers. By P. H. Wessels et al. (Rhode Island Station Inspection Bulletin, 1914, September, pp. 2-8.)
- Analyses of Commercial Fertilizers. By P. H. Wessels et al. (Rhode Island Station Inspection Bulletin, 1914, October, pp. 3-11.)
- Silage and Grains for Steers. By J. W. Wilson. (South Dakota Station Bulletin 160, pp. 195-223, figs. 10.)
- Annual Report, 1914. (South Dakota Station Annual Report, 1914, pp. 26.)

July, 1915.

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- The Movement of Soluble Salts with the Soil Moisture. By F. S. Harris.
(Utah Station Bulletin 139, pp. 119-124, figs. 2.)
- The Effect of Association of Legumes and Nonlegumes. By W. B. Ellett
et al. (Virginia Station Technical Bulletin 1, pp. 28-36, figs. 3.)
- Notes on Plant Diseases in Virginia Observed in 1913 and 1914. By
H. S. Reed and C. H. Crabill. (Virginia Station Technical Bulletin
2, pp. 37-53, figs. 17.)
- Nitrogen Fixation and Nitrification in Various Soil Types. By
H. S. Reed and B. Williams. (Virginia Station Technical Bulletin 3,
pp. 59-80.)
- The Effect of Some Organic Soil Constituents upon Nitrogen Fixation by
Azotobacter. By H. S. Reed and B. Williams. (Virginia Station
Technical Bulletin 4, pp. 81-95.)
- The Effect of Green Manure on Soil Nitrates Under Greenhouse Conditions.
By H. H. Hill. (Virginia Station Technical Bulletin 6, pp. 121-153.)
- A Study of Grazing Conditions in the Wenaha National Forest. By
H. T. Darlington. (Washington Station Bulletin 122, pp. 3-18, pls. 7.)
- The Babcock Test and Its Application. By R. E. Hundertmark.
(Washington Station Popular Bulletin 75, pp. 14, figs. 6.)
- Small Fruits for Home and Commercial Planting. By L. F. Sutton.
(West Virginia Station Bulletin 149, pp. 38, figs. 16.)
- Some Facts About Concentrated Feeds. By W. H. Strowd. (Wisconsin
Station Bulletin 253, pp. 60, fig. 1.)
- The Comparative Effect of Phosphates and Sulphates on Soil Bacteria.
By E. B. Fred and E. B. Hart. (Wisconsin Station Research
Bulletin 35, pp. 35-66, figs. 6.)

UNITED STATES DEPARTMENT OF AGRICULTURE
STATES RELATIONS SERVICE,
A. C. TRUE, Director.



LIST OF STATION PUBLICATIONS RECEIVED BY THE STATES

RELATIONS SERVICE DURING AUGUST, 1915.

NOTE.--The station publications noted in this list are not distributed by the Department of Agriculture, but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

Dipping Vat for Hogs and Dips; Hog Worms, Lice, and Mange; Hog Lots, Houses, and Water Supply. By C. A. Cary. (Alabama College Station Bulletin 185, pp. 37-58, fig. 1.)

Alfalfa: The King of All Fodder Plants Successfully Grown in Macon County, Alabama. By G. W. Carver. (Alabama Tuskegee Station Bulletin 29, pp. 3-7.)

Annual Report of Alaska Agricultural Experiment Stations for 1914. (Alaska Stations Report, 1914, pp. 96, pls. 12.) A limited number of copies of this publication is available for free distribution by the Department of Agriculture.

The County Farm Adviser. By B. H. Crocheron. (California Station Circular 133, pp. 8, figs. 7.)

Spur Blight of the Red Raspberry Caused by Sphaerella rubina. By W. G. Sackett. (Colorado Station Bulletin 206, pp. 3-26, pl. 1, figs. 15.)

The Colorado Statute Inch and Some Miner's Inch Measuring Devices. By V. M. Cone. (Colorado Station Bulletin 207, pp. 3-16, figs. 5.)

A Study of Colorado Wheat. By W. P. Headden. (Colorado Station Bulletin 208, pt. 1, pp. 3-48.)

Poultry House Construction. By R. E. Jones and L. E. Card. (Connecticut Storrs Station Bulletin 81, pp. 31-55, figs. 16.)

Third Annual International Egg Laying Contest. By W. F. Kirkpatrick and L. E. Card. (Connecticut Storrs Station Bulletin 82, pp. 59-99, figs. 21.)

McLean County Soils. By C. G. Hopkins et al. (Illinois Station Soil Report 10, pp. 52, pls. 4, figs. 8.)

Agricultural Extension.--IX, How to Grow More and Better Corn. By A. Goss et al. (Indiana Station Circular 25, rev. ed., pp. 36, figs. 11.)

- The Teachings of the Kentucky Agricultural Experiment Station Relative to Soil Fertility. By G. Roberts and J. H. Kastle. (Kentucky Station Bulletin 191, pp. 31-56.)
- Studies on Bean Breeding. I. Standard Types of Yellow Eye Beans. By R. Pearl and F. M. Surface. (Maine Station Bulletin 239, pp. 161-176, pls. 6.)
- Meteorological Observations at the Massachusetts Agricultural Experiment Station. By J. E. Ostrander and D. Potter. (Massachusetts Station Meteorological Bulletin 319, pp. 4.)
- Losses and Preservation of Barnyard Manure. By O. B. Winter. (Michigan Station Circular 26, pp. 2-8.)
- Hairy Vetch. By V. M. Shoesmith. (Michigan Station Circular 27, pp. 3-8, figs. 2.)
- Corn: I. Relation of Cultivation to Yield and Character of Crop. II. Relation of Number of Stalks per Hill to Yield. By C. P. Bull. (Minnesota Station Bulletin 149, pp. 3-23, figs. 7.)
- Tobacco Growing in Minnesota. By C. P. Bull. (Minnesota Station Bulletin 150, pp. 3-47, figs. 26.)
- Tomato Culture in Montana. By L. G. Schermerhorn. (Montana Station Circular 44, pp. 111-119, figs. 5.)
- Crop-Growing Suggestions to Dry-Land Farmers. By A. Atkinson. (Montana Station Circular 45, pp. 121-140, figs. 10.)
- The Potato Crop in Montana. By O. B. Whipple. (Montana Station Circular 46, pp. 141-165, figs. 11.)
- Control of the Army Cutworm. By R. A. Cooley. (Montana Station Circular 47, pp. 3.)
- Flax Crop Conditions for 1915. (Montana Station Circular 48, pp. 5-8.)
- Suggestions to Alfalfa Growers. By A. Atkinson and M. L. Wilson. (Montana Station Circular 49, pp. 9-42, figs. 31.)
- Varieties of Tree Fruits for New Jersey. By M. A. Blake. (New Jersey Stations Circular 41, pp. 2-8.)
- The Determination of Humidity in the Greenhouse. By M. A. Blake. (New Jersey Stations Circular 47, pp. 3-7, fig. 1.)
- Bordeaux Mixture. By M. T. Cook. (New Jersey Stations Circular 48, pp. 3-7.)

I. Probable Combinations of the Chlorine Ions in Alkali Salts. II. A Review and Discussion of Some of the Methods for the Determination of Alkali in Soils. By R. F. Hare. (New Mexico Station Bulletin 95, pp. 3-16.)

The Blooming Season of Hardy Fruits. By U. P. Hedrick. (New York State Station Bulletin 407, pp. 367-391.)

Ripening Dates and Length of Season for Hardy Fruits. By U. P. Hedrick. (New York State Station Bulletin 408, pp. 393-418.)

The Tree Crickets of New York: Life History and Bionomics. By B. B? Fulton. (New York State Station Technical Bulletin 42, pp. 3-17, pls. 6, figs. 21.)

Human Milk. By A. W. Bosworth. (New York State Station Technical Bulletin 43, pp. 3-5.)

Farmers' Market Bulletin, Growers' Edition. (North Carolina Station Farmers' Market Bulletin, Growers' Edition, 1 (1914), No. 3, pp. 15.)

Soy Bean Pasture for Hogs. By D. T. Gray. (North Carolina Station Circular 24, pp. 6.)

Feeding the Sow and the Suckling Pigs. By D. T. Gray. (North Carolina Station Circular 25, pp. 5.)

Pig Club Manual. By J. D. McVean and T. E. Browne. (North Carolina Station Circular 26, pp. 31, figs. 9.)

The Limitations of Cottonseed Meal Feeding in Poultry. By B. F. Kaupp. (North Carolina Station Circular 27, pp. 14.)

Use of Lime on the Farm. By C. B. Williams. (North Carolina Station Circular 28, pp. 7.)

Feeding Skim Milk, Butter Milk, and Whey to Hogs. By D. T. Gray. (North Carolina Station Circular 29, pp. 5.)

Oats for North Carolina. By C. B. Williams. (North Carolina Station Circular 30, pp. 8, figs. 2.)

Soy Bean Growing in North Carolina. By C. B. Williams. (North Carolina Station Circular 31, pp. 8, figs. 3.)

Special Bulletin Food Department. (North Dakota Station Special Food Bulletin, 3 (1915), No. 19, pp. 305-336.)

Flax for Seed and Oil; Harvesting and Storing the Crop for Seed and Oil Purposes. By H. L. Bolley. (North Dakota Station Circular 7, pp. 4.)

- Tobacco: Influence of Fertilizers on Composition and Quality. By J. W. Ames and G. E. Boltz. Experiments with Fertilizers and Manure on Tobacco Grown Continuously and in Rotation with Wheat and Clover. By C. E. Thorne. (Ohio Station Bulletin 285, pp. 173-221, figs. 8.)
- County Experiment Farms in Ohio, Annual Reports for 1914. By C. W. Montgomery and C. E. Thorne. (Ohio Station Bulletin 286, pp. 223-291, figs. 9.)
- Poultry: I. Breeds and Breeding; Poultry Diseases; Farm Poultry Housing. By A. F. Rolf. II. Incubation, Brooding, and Feeding. By L. F. Payne. (Oklahoma Station Bulletin 106, pp. 3-32, figs. 9.)
- Using the Babcock Test. By J. M. Fuller. (Oklahoma Station Bulletin 107, pp. 3-15, figs. 15.)
- The Arsenates of Lead. By R. H. Robinson and H. V. Tartar. (Oregon Station Bulletin 128, pp. 3-32, figs. 3.)
- The Pollination of the Pomaceous Fruits. II. Fruit-Bud Development of the Apple. By F. C. Bradford. (Oregon Station Bulletin 129, pp. 3-16, figs. 6.)
- Abonos Comerciales. By W. B. Cady. (Porto Rico Federal Station Bulletin 13, Spanish Edition, pp. 3-13.)
- Indicaciones Acerca de la Siembra de Cafe en Puerto Rico. By T. B. McClelland. (Porto Rico Federal Station Circular 15, Spanish Edition, pp. 3-23, pls. 4.)
- The Comparative Value of Different Sources of Phosphorus. By B. L. Hartwell and S. C. Damon. (Rhode Island Station Bulletin 163, pp. 514-560, pls. 2.)
- Analyses of Commercial Fertilizers. By P. H. Wessels et al. (Rhode Island Station Inspection Bulletin, 1915, July, pp. 2-8.)
- The North American Fever Tick: Notes on Life History. By E. C. Cotton. (Tennessee Station Bulletin 113, pp. 33-77, figs. 15.)
- Losses of Moisture and Plant Food by Percolation. By G. S. Fraps. (Texas Station Bulletin 171, pp. 3-51, fig. 1.)
- Insect Enemies of Sudan Grass. By W. Newell. (Texas Station Circular 7, n. ser., pp. 3-18, figs. 6.)
- The Cedar Rust Disease of Apples Caused by Gymnosporangium juniperi-virginianae. By H. S. Reed and C. H. Crabill. (Virginia Station Technical Bulletin 9, pp. 3-106, figs. 23.)
- Annual Reports, 1913 and 1914. (Virginia Station Annual Reports, 1913-14, pp. 169, figs. 34.)

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Monthly Bulletins of the Western Washington Experiment Station, Puyallup,
Wash. (Western Washington Station Monthly Bulletins, 2 (1915),
Nos. 11, pp. 20, figs. 9; 3 (1915), Nos. 4, pp. 8, fig. 1; 5,
pp. 16, figs. 3.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
STATES RELATIONS SERVICE,
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LIST OF STATION PUBLICATIONS RECEIVED BY THE OFFICE OF
EXPERIMENT STATIONS DURING SEPTEMBER, 1915.

NOTE.--The station publications noted in this list are not distributed by the Department of Agriculture, but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

New Dosage Tables, Fumigation Studies No. 7. By C. W. Woodworth.
(California Station Bulletin 257, pp. 3-16, figs. 3.)

Control of Raisin Insects. By F. T. Bioletti. (California
Station Circular 134, pp. 11, figs. 6.)

Melilotus indica as a Green Manure Crop in Southern California. By
W. M. Mertz. (California Station Circular 136, pp. 4.)

Wood Decay in Orchard Trees. By W. T. Horne. (California Station
Circular 137, pp. 13, figs. 7.)

Report of the Station Botanist, 1914: Chlorosis of Plants with Special
Reference to Calico of Tobacco. By G. P. Clinton. (Connecticut
State Station Annual Report, 1914, pt. 6, pp. 357-448+XIV, pls. 8.)

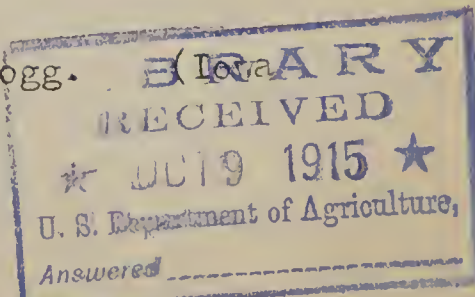
The Biochemical Decomposition of Nitrogenous Substances in Soils. By
W. P. Kelley. (Hawaii Federal Station Bulletin 39, pp. 25, fig. 1.)
A limited number of copies of this publication is available for free
distribution by the Department of Agriculture.

The Soils of the Hawaiian Islands. By W. P. Kelley et al. (Hawaii
Federal Station Bulletin 40, pp. 35.) A limited number of copies
of this publication is available for free distribution by the
Department of Agriculture.

The Fertilizer Problem from the Vegetable Grower's Standpoint. By
C. E. Durst. (Illinois Station Circular 182, pp. 28, figs. 6.)

Pike County Soils. By C. G. Hopkins et al. (Illinois Station Soil
Report 11, pp. 48, pls. 3, figs. 4.)

Sulfonation in Soils. By P. E. Brown and E. H. Kellogg.
Station Research Bulletin 18, pp. 47-111.)



- Bacteriological Studies on the Coagulation of Evaporated Milk. By B. W. Hammer. (Iowa Station Research Bulletin 19, pp. 119-131, figs. 3.)
- Bacteriological Studies on Two Yellow Milk Organisms. By B. W. Hammer. (Iowa Station Research Bulletin 20, pp. 135-149, figs. 2.)
- Facts About So-Called Hog Cholera Cures and Specifics. By C. H. Stange and C. G. Cole. (Iowa Station Circular 25, pp. 6.)
- The Relation of Moisture to Yield of Winter Wheat in Western Kansas. By L. E. Call and A. L. Hallsted. (Kansas Station Bulletin 206, pp. 3-34, figs. 12.)
- Filling Silos. By J. B. Fitch. (Kansas Station Circular 53, pp. 8, figs. 3.)
- Report of Analyses of Commercial Feed Stuffs. (Louisiana Stations Feed Stuffs Report, 1913-14, pp. 153.)
- Report of Analyses of Commercial Fertilizers. (Louisiana Stations Fertilizer Report, 1913-14, pp. 122.)
- Fungicide and Insecticide Inspection. (Maine Station Official Inspections 68, pp. 29-56.)
- Cream and Milk. (Maine Station Official Inspections 69, pp. 57-68.)
- Vinegar. (Maine Station Official Inspections 70, pp. 69-80.)
- Cream and Milk. (Maine Station Official Inspections 71, pp. 81-100.)
- Twenty-seventh Annual Report, 1914. (Maryland Station Annual Report, 1914, pp. XVI+246, figs. 63.)
- Meteorological Observations at the Massachusetts Agricultural Experiment Station. By J. E. Ostrander and D. Potter. (Massachusetts Station Meteorological Bulletin 320, pp. 4.)
- Management of Irrigated Land. By F. Knorr. (Nebraska Station Bulletin 152, pp. 24, fig. 1.)
- The Prairie Dog and Its Control. By M. H. Swenk. (Nebraska Station Bulletin 154, pp. 3-38, figs. 3.)
- The Mosquitoes of New Jersey and Their Control. By T. J. Headlee. (New Jersey Stations Bulletin 276, pp. 3-135, figs. 94.)
- Humidity, Soil, and Fertility Studies with Roses. By M. A. Blake. (New Jersey Stations Bulletin 277, pp. 3-55, figs. 7.)

- Thirty-fifth Annual Report, 1914. (New Jersey Stations Annual Report, 1914, pp. XXVH-504, pls. 47, figs. 2.)
- Alfalfa Hay for Hogs. By L. Foster and H. H. Simpson. (New Mexico Station Bulletin 96, pp. 3-32, figs. 3.)
- Tests of Submerged Orifice Headgates for the Measurement of Irrigation Water. By F. L. Bixby. (New Mexico Station Bulletin 97, pp. 3-56, figs. 11.)
- Economic Feeding for Milk Production in New Mexico. By L. Foster and R. W. Latta. (New Mexico Station Bulletin 98, pp. 34, figs. 7.)
- The Control of Insect Pests and Plant Diseases. (New York Cornell Station Bulletin 283, rev. ed., pp. 465-500, figs. 43.)
- Fusaria of Potatoes. By C. D. Sherbakoff. (New York Cornell Station Memoir 6, pp. 89-270, pls. 7, figs. 51.)
- Distribution of Station Apples. By U. P. Hedrick. (New York State Station Circular 28, pp. 3.)
- Culture of Sweet Corn. By J. W. Wellington. (New York State Station Circular 29, pp. 3.)
- The Cabbage Aphis. By P. J. Parrott and B. B. Fulton. (New York State Station Circular 30, pp. 4, pls. 2, figs. 2.)
- Strawberries. By O. M. Taylor. (New York State Station Circular 31, pp. 10.)
- Currants. By O. M. Taylor. (New York State Station Circular 32, pp. 7.)
- Raspberries, Blackberries, and Dewberries. By O. M. Taylor. (New York State Station Circular 33, pp. 10.)
- Tomato Culture. By J. W. Wellington. (New York State Station Circular 34, pp. 3.)
- Hot and Cold Frames. By J. W. Wellington. (New York State Station Circular 35, pp. 4.)
- Culture of the Potato. By J. W. Wellington. (New York State Station Circular 36, pp. 4.)
- Second Distribution of Station Apples. By U. P. Hedrick. (New York State Station Circular 37, pp. 2.)
- Rhubarb Culture. By C. C. Carstens. (New York State Station Circular 38, pp. 4.)

September, 1915.

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- Alfalfa on Land not Naturally Adapted to that Crop. By J. F. Barker.
(New York State Station Circular 39, pp. 8, pls. 2.)
- Onion Culture. By J. W. Wellington. (New York State Station
Circular 40, pp. 6.)
- The Grape Root-Worm. By F. Z. Hartzell. (New York State Station
Circular 41, pp. 6, pls. 2, figs. 4.)
- Guide to Buildings and Grounds. (New York State Station Circular
42, pp. 6.)
- Results of Variety Tests of Wheat, Oats, and Rye. By G. M. Garren.
(North Carolina Station Bulletin 232, pp. 3-28.)
- Common Diseases of Poultry. By B. F. Kaupp. (North Carolina
Station Bulletin 233, pp. 3-27, figs. 9.)
- Biennial Report, 1913 and 1914. (North Carolina Station Biennial
Report, 1913 and 1914, pp. 52, figs. 23.)
- Fertility and Weeds. By J. W. Ince. (North Dakota Station
Bulletin 112, pp. 235-247, figs. 6.)
- Report of Progress in Sugar Beet Trials. By J. W. Ince. (North
Dakota Station Bulletin 113, pp. 251-269, figs. 5.)
- Special Bulletin Food Department. (North Dakota Station Special Food
Bulletin 3(1915), No. 20, pp. 337-352.)
- Home Grown Seed Corn. By R. C. Doneghue. (North Dakota Station
Circular 8, pp. 13, figs. 9.)
- Some Important Insect Pests of the Greenhouse. By R. D. Whitmarsh.
(Ohio Station Circular 154, pp. 93-104, figs. 11.)
- A Study of the Manufacture of Dairy Butter; Methods of Making Farm
Butter. By E. L. Anthony. (Pennsylvania Station Bulletin 135,
pp. 3-30, figs. 6.)
- Home Canning of Fruits and Vegetables. By F. J. Crider. (South
Carolina Station Circular 27, pp. 3-15.)
- Commercial Fertilizers in 1914-15. By G. S. Fraps. (Texas Station
Bulletin 176, pp. 3-25.)
- Some Effects of Pruning, Root Pruning, Ringing, and Stripping on the
Formation of Fruit Buds on Dwarf Apple Trees. By A. W. Drinkard, jr.
(Virginia Station Technical Bulletin 5, pp. 96-120, figs. 9.)

Smoothness and Keeping Qualities in Ice Cream as Affected by Solids.
By W. K. Brainerd. (Virginia Station Technical Bulletin 7,
pp. 154-159, figs. 9.)

The Amount of Arsenic in Solution when Lead Arsenate is Added to
Different Spray Solutions. By W. B. Ellett and J. T. Grissom.
(Virginia Station Technical Bulletin 8, pp. 160-169.)

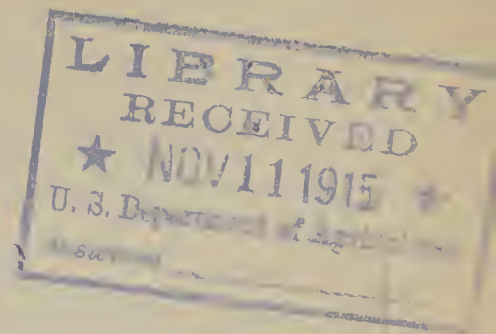
Time and Method of Tillage on the Yield and Comparative Cost of
Production of Wheat in the Palouse Region of Eastern Washington.
By C. C. Thom and H. F. Holtz. (Washington Station Bulletin 123,
pp. 6.)

Monthly Bulletin of the Western Washington Experiment Station,
Puyallup, Wash. (Western Washington Station Monthly Bulletin,
3(1915), No. 6, pp. 11, figs. 2.)

The Fertilization of Peach Orchards. By W. H. Alderman. (West
Virginia Station Bulletin 150, pp. 39, figs. 11.)

An Apple Orchard Survey of Berkeley County. By E. C. Auchter.
(West Virginia Station Bulletin 151, pp. 3-75, pl. 1, figs. 25.)

UNITED STATES DEPARTMENT OF AGRICULTURE
STATES RELATIONS SERVICE,
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LIST OF STATION PUBLICATIONS RECEIVED BY THE OFFICE OF
EXPERIMENT STATIONS DURING OCTOBER, 1915.

NOTE:--The station publications noted in this list are not distributed by the Department of Agriculture, but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

The Grass Worm or Fall Army Worm. By W. E. Hinds and J. A. Dew.
(Alabama College Station Bulletin 186, pp. 61-92, pls. 4, fig. 1.)

Boll Weevil Control by Cotton Stalk Destruction. By W. E. Hinds.
(Alabama College Station Circular 33, pp. 42-47, figs. 2.)

Mealy Bugs of Citrus Trees. By C. P. Clausen. (California
Station Bulletin 258, pp. 19-48, figs. 8.)

Commercial Fertilizers. By P. L. Hibbard. (California Station
Bulletin 259, pp. 51-104.)

Official Tests of Dairy Cows. By F. W. Woll and Cora J. Hill.
(California Station Circular 135, pp. 10, figs. 4.)

The Silo in California Agriculture. By F. W. Woll. (California
Station Circular 138, pp. 23, figs. 7.)

The Generation of Hydrocyanic Acid Gas in Fumigation by Portable
Machines. By H. D. Young. (California Station Circular 139,
pp. 8, figs. 5.)

Annual Report, 1915. (California Station Annual Report, 1915,
pp. 76, pls. 2, figs. 2.)

The Diseases of the Sweet Potato and Their Control. By J. J.
Taubenhaus and T. F. Manns. (Delaware Station Bulletin 109,
pp. 3-55, pls. 26.)

Alfalfa in Delaware. By A. E. Grantham. (Delaware Station
Bulletin 110, pp. 42, figs. 14.)

The Feeding of Cotton, II. By H. C. White. (Georgia Station
Bulletin 114, pp. 260-268.)

- The Associative Digestibility of Corn Silage, Cottonseed Meal, and Starch in Steer Rations. By P. Van Ewing and C. A. Wells. (Georgia Station Bulletin 115, pp. 271-296, figs. 7.)
- Pecans: Varieties, Influences of Climate, Soil, and Stock on Scion. By H. P. Stuckey. (Georgia Station Bulletin 116, pp. 299-328, figs. 11.)
- Winter Crops: Wheat, Oats, Rye, Barley, Speltz, Vetch, Burr Clover, Crimson Clover. By C. K. McClelland. (Georgia Station Bulletin 117, pp. 331-352, figs. 5.)
- Alfalfa: Seeding, Yields, Harvesting, and Curing. By C. K. McClelland. (Georgia Station Circular 72, pp. 3, figs. 2.)
- Rape for Fall Pigs. By C. K. McClelland and P. Van Ewing. (Georgia Station Circular 73, pp. 3, fig. 1.)
- The San Jose Scale. By P. A. Glenn. (Illinois Station Circular 180, pp. 3-24, pls. 4, figs. 2.)
- Preservative Treatment of Fence Posts. By G. B. MacDonald. (Iowa Station Bulletin 158, pp. 82-151, figs. 32.)
- Farm Leases in Iowa. By O. G. Lloyd. (Iowa Station Bulletin 159, pp. 155-206, figs. 8.)
- Non-Alcoholic Carbonated Beverages, Sanitary Condition and Composition. By R. M. Allen et al. (Kentucky Station Bulletin 192, pp. 59-125.)
- The Soils of Kentucky. By S. D. Averitt. (Kentucky Station Bulletin 193, pp. 129-164, pl. 1.)
- Soils of Graves County. By S. C. Jones. (Kentucky Station Bulletin 194, pp. 169-197, pl. 1.)
- Woolly Aphid of Elm and Juneberry. By Edith M. Patch. (Maine Station Bulletin 241, pp. 197-204, figs. 2.)
- Green Manuring and Cover Crops. By W. P. Brooks. (Massachusetts Station Circular 55, revision of No. 37, pp. 5.)
- Campaign to Eliminate Bacillary White Diarrhea. (Massachusetts Station Circular 56, p. 1.)
- Rules Relative to Testing Dairy Cows. (Massachusetts Station Circular 57, revision of No. 28, pp. 4.)
- Meteorological Observations at the Massachusetts Agricultural Experiment Station. By J. E. Ostrander and D. Potter. (Massachusetts Station Meteorological Bulletin 321, pp. 4.)

- Twenty-seventh Annual Report, 1915, Parts I and II. (Massachusetts Station Annual Report, 1915, Parts I and II, pp. IX + 69a + 178, pls. 15, figs. 6.)
- Growing and Fattening Hogs in Montana. By P. N. Flint and R. F. Miller. (Montana Station Circular 50, pp. 44-71, figs. 2.)
- Twenty-eighth Annual Report, 1914. (Nebraska Station Annual Report, 1914, pp. XXXVI, figs. 5.)
- Water Hemlock (*Cicuta*). By C. A. Jacobson. (Nevada Station Bulletin 81, pp. 5-46, figs. 10.)
- The Control of Contagious Epithelioma in Chickens by Vaccination. By W. B. Mack and E. Records. (Nevada Station Bulletin 82, pp. 5-16.)
- Analysis of Feeding Stuffs. By B. E. Curry and T. O. Smith. (New Hampshire Station Bulletin 175, pp. 3-23.)
- Packing and Shipping Peaches in Georgia Carriers. By M. A. Blake and C. H. Connors. (New Jersey Stations Bulletin 284, pp. 3-48, figs. 27.)
- Germ Content of Stable Air and Its Effect upon the Germ Content of Milk: I, Methods of Bacterial Analysis of Air; II, Stable Air as a Source of Bacteria in Milk. By G. L. A. Ruehle and W. L. Kulp. (New York State Station Bulletin 409, pp. 419-474, figs. 4.)
- Ascochyta clematidina, the Cause of Stem-rot and Leaf-spot of Clematis. By W. O. Gloyer. (New York State Station Technical Bulletin 44, pp. 3-14, pls. 5.)
- Inheritance of Certain Characters of Grapes. By U. P. Hedrick and R. D. Anthony. (New York State Station Technical Bulletin 45, pp. 3-19.)
- Methods of Making Some of the Soft Cheeses. By W. W. Fisk. (New York Cornell Station Circular 30, pp. 41-62, figs. 7.)
- Thirty-third Annual Report, 1914. (New York State Station Annual Report, 1914, pp. VIII + 997, pls. 59, figs. 41.)
- Special Bulletin Food Department. (North Dakota Station Special Food Bulletin, 3(1915), No. 21, pp. 353-368.)
- Ohio Weather for 1914. By J. W. Smith and C. A. Patton. (Ohio Station Bulletin 287, pp. 293-372, figs. 63.)
- Economics of Apple Orchardng. By C. I. Lewis and H. A. Vickers. (Oregon Station Bulletin 132, pp. 3-104, figs. 14.)

Annual Report, 1912. (Pennsylvania Station Annual Report, 1912,
pp. 326, pls. 152, figs. 24.)

The Composition of the Soils of the Texas Panhandle. By G. S. Fraps.
(Texas Station Bulletin 173, pp. 3-25.)

The Effect of Organic Compounds in Pot Experiments. By G. S. Fraps.
(Texas Station Bulletin 174, pp. 3-13.)

Distribution and Digestibility of the Pentosans of Feeds. By
G. S. Fraps. (Texas Station Bulletin 175, pp. 3-24.)

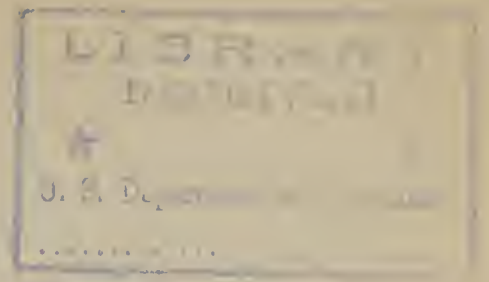
List of Bulletins Available for General Distribution. (West Virginia
Station Circular 21, pp. 4.)

State Seed Inspection and Weed Control, 1914. By A. L. Stone.
(Wisconsin Station Bulletin 254, pp. 39, figs. 28.)

Facts About Fertilizers Licensed for Sale in Wisconsin; Reports of
Analyses for 1914. By W. H. Strowd. (Wisconsin Station
Bulletin 255, pp. 13, fig. 1.)

Cottonseed Cake vs. Cold Pressed Cottonseed Cake for Beef Cows; Mixed
Grains vs. Cottonseed Cake for Growing Beef Cattle. By A. D. Faville.
(Wyoming Station Bulletin 106, pp. 3-11.)

UNITED STATES DEPARTMENT OF AGRICULTURE
STATES RELATIONS SERVICE,
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LIST OF STATION PUBLICATIONS RECEIVED BY THE OFFICE OF
EXPERIMENT STATIONS DURING NOVEMBER, 1915.

NOTE.--The station publications noted in this list are not distributed by the Department of Agriculture, but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

- Papago Sweet Corn, A New Variety. By G. F. Freeman. (Arizona Station Bulletin 75, pp. 451-463, pls. 3, figs. 2.)
- Walnut Culture in Arizona. By J. J. Thornber. (Arizona Station Bulletin 76, pp. 469-503, pls. 2, figs. 9.)
- The Determination of Availability of Nitrogenous Fertilizers in Various California Soil Types by Their Nitrifiability. By C. B. Lipman and P. S. Burgess. (California Station Bulletin 260, pp. 107-127.)
- The Practical Application of Improved Methods of Fermentation in California Wineries During 1913 and 1914. By F. T. Bioletti and W. V. Cruess. (California Station Circular 140, pp. 14, figs. 8.)
- Standard Insecticides and Fungicides v. Secret Preparations. By G. P. Gray. (California Station Circular 141, pp. 4.)
- Practical and Inexpensive Poultry Appliances. By J. E. Dougherty and W. E. Lloyd. (California Station Circular 142, pp. 22, figs. 29.)
- Commercial Feeding Stuffs. By W. R. Jones, jr., et al. (Indiana Station Bulletin 181, pp. 523-835.)
- Poultry Investigations: I, The Value of Meat Scrap, Fish Scrap, and Skim Milk in Rations for Laying Pullets. By A. G. Philips. (Indiana Station Bulletin 182, pp. 837-856, figs. 4.)
- Prices and Shrinkage of Farm Grains. By W. L. Burlison and O. M. Allyn. (Illinois Station Bulletin 183, pp. 12-26, figs. 5.)
- A Bibliography of Recent Literature Concerning Plant-Disease Prevention, by C. C. Rees and W. Macfarlane; A Bibliography of Non-Parasitic Diseases of Plants, by C. W. Lantz. (Illinois Station Circular 183, pp. 2-111.)
- Grape Pruning--The Spur and Long Cane Systems Compared. By T. J. Maney. (Iowa Station Bulletin 160, pp. 209-231, figs. 13.)
- Hardiness in the Apple as Correlated with Structure and Composition. By S. A. Beach and F. W. Allen, jr. (Iowa Station Research Bulletin 21, pp. 155-204, figs. 23.)

Kansas Live Stock Remedy Law, with List of Remedies Registered April 1, 1915.
(Kansas Station Circular 50, pp. 15.)

Improving the Kansas Egg. By W. A. Lippincott. (Kansas Station Circular 51, pp. 10, figs. 6.)

The Kansas Feeding-stuffs Law--Revision of 1913; Amended 1915. (Kansas Station Circular 52, pp. 10.)

Soils of Franklin County. By S. C. Jones. (Kentucky Station Bulletin 195, pp. 201-235, pl. 1.)

Feeding Stuffs Inspection. (Maine Station Official Inspections 72, pp. 101-196.)

Bacillary White Diarrhea (Bacterium pullorum Infection) in Young Chicks in Massachusetts. By G. E. Gage and Beryl H. Paige. (Massachusetts Station Bulletin 163, pp. 48, pls. 3, fig. 1.)

Meteorological Observations at the Massachusetts Agricultural Experiment Station. By J. E. Ostrander and D. Potter. (Massachusetts Station Meteorological Bulletin 322, pp. 4.)

Experiments on the Control of the Root-knot Nematode. By J. A. McClintock. (Michigan Station Technical Bulletin 20, pp. 3-23.)

How Contact Insecticides Kill: III, Relating evidence, further, of certain properties of carbon disulphid, gasoline, and a few other fluids, as well as temperature and some dry powdered contact insecticides, by means of which the insecticidal action of these agents is accomplished after their absorption into the insect tissues, or after mere application;--also brief suggestions for possible practice. By G. D. Shafer. (Michigan Station Technical Bulletin 21, pp. 3-67, pl. 1, figs. 3.)

Effect of Temperature on Some of the Most Important Physical Processes in Soils. By G. J. Bouyouccs. (Michigan Station Technical Bulletin 22, pp. 3-63, figs. 16.)

Some Ginseng Troubles. By E. A. Bessey and J. A. McClintock. (Michigan Station Special Bulletin 72, pp. 3-15, figs. 5.)

Analyses of Some Materials Sold as Insecticides and Fungicides. By A. J. Patten and D. C. Kellogg. (Michigan Station Special Bulletin 74, pp. 3-11.)

Quack Grass Eradication: I, Experimental Evidence and Conclusions; II, Tabulated Statement of Operations on the Fields under Rotation. By A. C. Army. (Minnesota Station Bulletin 151, pp. 3-82, figs. 26.)

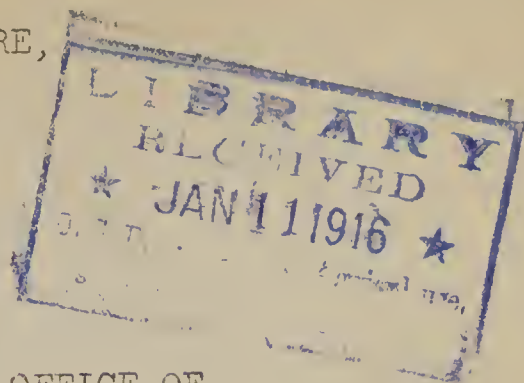
Farmers' Elevators in Minnesota. By L. D. H. Weld. (Minnesota Station Bulletin 152, pp. 3-24, fig. 1.)

Forage Crops. By J. R. Ricks. (Mississippi Station Bulletin 172, pp. 3-23, figs. 5.)

- The Ration and Age of Calving as Factors Influencing the Growth and Dairy Qualities of Cows. By C. H. Eckles. (Missouri College Station Bulletin 135, pp. 91, figs. 27.)
- The Farmer's Poultry House. By H. L. Kempster. (Missouri College Station Circular 75, pp. 13, figs. 19.)
- Feeding for Egg Production. By H. L. Kempster. (Missouri College Station Circular 76, pp. 12, figs. 2.)
- The Value of Education to the Farmer. By O. R. Johnson. (Missouri College Station Circular 77, pp. 4.)
- The Control of Soil Washing. By M. F. Miller. (Missouri College Station Circular 78, pp. 12, figs. 9.)
- Borers of Fruit Trees, Canes, and Vines. By M. P. Somes. (Missouri Fruit Station Bulletin 25, pp. 3-23.)
- Spray Schedule for Grapes. By M. P. Somes. (Missouri Fruit Station Circular 9, pp. 3.)
- Lamb Feeding Experiments: I, Fattening Western Lambs; II, Fattening Native Lambs; III, A Comparison of Native and Western Lambs. By H. J. Granlich. (Nebraska Station Bulletin 153, pp. 3-26.)
- Senile Changes in Leaves of Vitis vulpina and Certain Other Plants. By H. M. Benedict. (New York Cornell Station Memoir 7, pp. 277-370, figs. 6.)
- A Bacterial Disease of Stone Fruits. By T. M. Rolfs. (New York Cornell Station Memoir 8, pp. 377-436, figs. 12.)
- Fall Spraying for Peach Leaf Curl. By D. Reddick and L. A. Toan. (New York Cornell Station Circular 31, pp. 65-73, figs. 2.)
- Farmers' Market Bulletin, Growers' Edition. (North Carolina Station Farmers' Market Bulletin, Growers' Edition, 2(1915), No. 12, pp. 29.)
- Marketing the 1915 Hog Crop. By W. H. Peters. (North Dakota Station Circular 9, pp. 14, figs. 9.)
- Special Bulletin Food Department. (North Dakota Station Special Food Bulletin, 3(1915), No. 22, pp. 369-392.)
- Raising Dairy Heifers--Cost, Feeding, and Care. By C. C. Hayden. (Ohio Station Bulletin 289, pp. 30, figs. 5.)
- Studies on the Estimation of Inorganic Phosphorus in Plant and Animal Substances. By E. B. Forbes et al. (Ohio Station Technical Bulletin 2, pp. 3-48.)
- County Experiment Farm Law. (Ohio Station Circular 155, pp. 4.)
- Collar-blight and Related Forms of Fire-blight. By C. R. Orton and J. F. Adams. (Pennsylvania Station Bulletin 136, pp. 3-23, figs. 14.)

- Winter Grain in South Dakota. By A. N. Hume et al. (South Dakota Station Bulletin 161, pp. 226-261, figs. 11.)
- Annual Report, 1915. (South Dakota Station Annual Report, 1915, pp. 3-28.)
- Commercial Feeding Stuffs, by H. L. Hills et al.; Concerning the Corn Crop, by J. L. Hills. (Vermont Station Bulletin 189, pp. 297-320.)
- Commercial Fertilizers, by J. L. Hills et al.; Crop Rotation, by R. T. Burdick. (Vermont Station Bulletin 190, pp. 385-462, pls. 4.)
- Preliminary Note on Leaf Invasions by Bacillus amylovorus. By F. D. Heald. (Washington Station Bulletin 125, pp. 3-7, pls. 2.)
- Feeding Dairy Cows in Washington. By A. B. Nystrom. (Washington Station Popular Bulletin 92, pp. 2-24.)
- Monthly Bulletin of the Western Washington Experiment Station, Puyallup, Wash. (Western Washington Station Monthly Bulletin, 3(1915), No. 7, pp. 19, fig. 1.)
- The Marketing of Wisconsin Potatoes. By H. C. Taylor. (Wisconsin Station Bulletin 256, pp. 38, figs. 25.)
- Acidosis in Omnivora and Herbivora and Its Relation to Protein Storage. By H. Steenbock et al. (Wisconsin Station Research Bulletin 36, pp. 19.)
- Germination and Infection with the Fungus of the Late Blight of Potato (Phytophthora infestans). By I. E. Melhus. (Wisconsin Station Research Bulletin 37, pp. 64, figs. 8.)

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Melaxuma of the Walnut, "Juglans regia". By H. S. Fawcett. (California Station Bulletin 261, pp. 133-148, figs. 5.)

Citrus Diseases of Florida and Cuba Compared with Those of California. By H. S. Fawcett. (California Station Bulletin 262, pp. 153-210, figs. 24.)

Control of Grasshoppers in Imperial Valley. By W. E. Packard. (California Station Circular 143, pp. 11, figs. 8.)

Index to Reports on Food Products and Drugs, 1896-1914. By J. P. Street. (Connecticut State Station Bulletin 187, pp. 3-24.)

Further Experiments on Inheritance in Maize. By H. K. Hayes and E. M. East. (Connecticut State Station Bulletin 188, pp. 31, pls. 7.)

Citrus Canker, III. By H. E. Stevens. (Florida Station Bulletin 128, pp. 20, figs. 6.)

Tests with Nitrate of Soda in the Production of Early Vegetables. By J. W. Lloyd. (Illinois Station Bulletin 184, pp. 27-46, figs. 3.)

The Prairie Spirit in Landscape Gardening. By W. Miller. (Illinois Station Circular 184, pp. 32, figs. 93.)

The Prairie Spirit in Landscape Gardening. By W. Miller. (Illinois Station Circular 184, Abstract, pp. 4, fig. 1.)

Twig Blight and Pear Blight. By H. Garman. (Kentucky Station Circular 2, pp. 2, figs. 4.)

Malnutrition in Hogs. By D. J. Healy and E. J. Gott. (Kentucky Station Circular 4, pp. 3-7, figs. 2.)

A Remedy for Clover Bloat. By D. J. Healy and J. W. Nutter. (Kentucky Station Circular 5, pp. 10-12.)

Inexpensive Appliances and Utensils for the Dairy. By E. D. Nicholls. (Kentucky Station Circular 6, pp. 15-31, figs. 9.)

- Blackhead in Turkeys. By R. Graham and L. R. Himmelberger. (Kentucky Station Circular 7, pp. 35-44, figs. 3.)
- Stem Rot of Clovers and Alfalfa as a Cause of "Clover Sickness". By A. H. Gilbert and D. S. Myer. (Kentucky Station Circular 8, pp. 46-60, figs. 3.)
- County Agents' Calcimeter. By J. S. McHargue. (Kentucky Station Circular 9, pp. 63-68, fig. 1.)
- Inspection of Commercial Feedstuffs. By P. H. Smith and C. L. Beals. (Massachusetts Station Bulletin 3, control series, pp. 4-70.)
- Meteorological Observations at the Massachusetts Agricultural Experiment Station. By J. E. Ostrander and D. Potter. (Massachusetts Station Meteorological Bulletin 323, pp. 4.)
- Spray and Practice Outline for 1915. By H. J. Eustace and R. H. Pettit. (Michigan Station Special Bulletin 73, pp. 24, figs. 8.)
- Concentrated Feeding Stuffs and Registrations for 1915. By C. S. Cathcart. (New Jersey Stations Bulletin 283, pp. 3-90.)
- Analyses of Materials Sold as Insecticides and Fungicides. By C. S. Cathcart and R. L. Willis. (New Jersey Stations Bulletin 286, pp. 3-13.)
- Peas as an Orchard Green Manure and Cover Crop. By F. Garcia. (New Mexico Station Bulletin 99, pp. 3-21, figs. 5.)
- Dwarf Apples not Commercially Promising. By F. H. Hall. (New York State Station Bulletin 406, popular edition, pp. 2-8, figs. 2.)
- Milk Receives Few Bacteria From Stable Air. By F. H. Hall. (New York State Station Bulletin 409, popular edition, pp. 10, fig. 1.)
- Special Bulletin Food Department. (North Dakota Station Special Food Bulletin, 3(1915), No. 23, pp. 393-408.)
- Thirty-fourth Annual Report, 1915-- Press Bulletins -- Index. (Ohio Station Bulletin 288, pp. XXXIV + 373-381, fig. 1.)
- How to Disinfect Tobacco Plant Beds From Root-Rot Fungus, (*Thielavia*). By A. D. Selby, T. Houser, and J. G. Humbert. (Ohio Station Circular 156, pp. 5-8, fig. 1.)
- The Poisoning of Livestock While Feeding on Plants of the Sorghum Group. By C. K. Francis. (Oklahoma Station Circular of Information 38, pp. 4.)
- Experiments in Swine Feeding. By J. Withycombe, E. L. Potter, and G. R. Samson. (Oregon Station Bulletin 127, pp. 3-30.)
- Analyses of Commercial Fertilizers. By P. H. Wessels. (Rhode Island Station Inspection Bulletin, 1915, October, pp. 12.)
- Commercial Feeding Stuffs, 1914-15. Texas Feed Law. By B. Youngblood. (Texas Station Bulletin 177, pp. 5-279.)

- The Turnip Louse. By F. B. Paddock. (Texas Station Bulletin 180, pp. 7-77, pls. 5, figs. 10.)
- The Texas Foul Brood Law. By B. Youngblood. (Texas Station Circular 8, new series, pp. 3-9.)
- The Story of Three Pigs. By L. B. Burk. (Texas Station Circular 9, new series, pp. 3-6.)
- Twenty-seventh Annual Report, 1914. (Texas Station Annual Report, 1914, pp. 34.)
- Control of Injurious Aphids by Ladybirds in Tidewater Virginia. By D. E. Fink. (Virginia Truck Station Bulletin 15, pp. 337-350, figs. 6.)
- Monthly Bulletin of the Western Washington Experiment Station, Puyallup, Wash. (Western Washington Station Monthly Bulletin, 3(1915), No. 9, pp. 16, fig. 1.)
- Apple Rust. By N. J. Giddings and A. Berg. (West Virginia Station Bulletin 154, pp. 4-73, figs. 41.)
- Apple Rust and Its Control in Wisconsin. By L. R. Jones and E. T. Bartholomew. (Wisconsin Station Bulletin 257, pp. 3-30, figs. 14.)
- Distribution of Public Service Stallions. By A. S. Alexander. (Wisconsin Station Bulletin 258, pp. 3-67, figs. 3.)
- Alfalfa Growing in Wisconsin. By R. A. Moore and L. F. Graber. (Wisconsin Station Bulletin 259, pp. 3-32, figs. 12.)
- First Aid to the Settler. By E. J. Delwiche. (Wisconsin Station Bulletin 260, pp. 3-43, figs. 29.)
- Swine Feeding. By A. D. Faville. (Wyoming Station Bulletin 107, pp. 15-27.)
- Cattle Feeding. By A. D. Faville. (Wyoming Station Bulletin 108, pp. 31-42.)

